

A comparative study of color quantization methods using various image quality assessment indices – Supplementary material

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Table 1 shows basic information about the CQ100 image set used in the experiments (the names of the images and the number of different colors of each one). The table associates a number to each image, in order to reduce the following tables that show results.

Tables 2 to 65 include the detailed results for each image, palette size, color quantization method and image quality index.

The color quantization methods used are: Variance-cut (VC), Adaptive distributing units (ADU), Octree (OC) Variance-based method (WAN), Median-cut (MC), Neuquant (NQ), Greedy orthogonal bi-partitioning method (WU), WU combined with Ant-tree for color quantization (WUATCQ), Binary splitting (BS) and BS combined with Iterative ant-tree for color quantization (BSITATCQ).

The image quality indices computed are: mean squared error (MSE), mean absolute error (MAE), peak-signal-to-noise ratio (PSNR), spectral angle mapper (SAM), structural similarity index (SSIM), multi-scale structural similarity index (MS-SSIM), visual information fidelity (VIF) and universal image quality index (UQI).

number	image	colors	number	image	colors
1	adirondack_chairs	229944	51	macaws	72079
2	astro_bodies	85015	52	malayan_banded_pitta	163618
3	astronaut	66951	53	mandarin_ducks	114492
4	balinese_dancer	109970	54	mandarin_fish	251332
5	ball_caps	34871	55	mangoes	103503
6	birthday_balloons	104014	56	marrakech_museum	221791
7	bosnian_pine_needle	186813	57	maya_beach	163142
8	buggy	108258	58	medicine_packets	206685
9	calaveras	232188	59	moroccan_babouches	280454
10	carrots	188316	60	motocross	63558
11	chalk_pastels	125137	61	motorcycle	212020
12	chicken_dish	207414	62	mural	152734
13	chili_peppers	291604	63	nylon_cords	276061
14	clownfish	225080	64	paper_clips	85934
15	color_chart	36896	65	peacock	284350
16	color_checker	30593	66	pencils	117157
17	coloring_pencils	115201	67	pigments	327725
18	columbia_crew	148399	68	pink_mosque	236129
19	common_jezebel	137446	69	plushies	294615
20	common_lantanas	172547	70	prickly_pears	221674
21	cosmic_vista	226469	71	puffin	151640
22	craft_cards	48614	72	race_car	91286
23	crepe_paper	28125	73	red_eyed_tree_frog	161343
24	cruise_ship	159447	74	red_knobbed_starfish	257585
25	curler	155122	75	rescue_helicopter	106799
26	daisy_bouquet	207866	76	rose_bouquet	246438
27	daisy_poster	94171	77	sagami_temple	234261
28	easter_egg_basket	252571	78	salad_bowl	262675
29	easter_eggs	168071	79	schoolgirls	296909
30	eastern_rosella	194886	80	seattle_great_wheel	152085
31	felt_ball_trivet	210787	81	shawls	255458
32	fishing_nets	285404	82	shopping_bags	13752
33	floating_market	241166	83	siberian_tiger	133564
34	fruit_dessert	235784	84	skiers	160278
35	fruit_stand	296837	85	spices	214873
36	fruits	299544	86	sports_bicycles	281799
37	fruits_veggies	172606	87	sun_parakeet	163407
38	german_hot_air_balloon	62041	88	tablet	42279
39	girl	44576	89	textile_market	244659
40	gourds	304706	90	trade_fair_tower	72299
41	grilled_food	243185	91	traffic	185326
42	hard_candy	231089	92	tulip_field	252851
43	italian_hot_air_balloon	168137	93	umbrellas	217673
44	jacksons_chameleon	276980	94	veggie_pizza	120212
45	king_penguin	129343	95	veggies	189051
46	king_vulture	274000	96	venetian_lagoon	162254
47	kingfisher	134827	97	vintage_cars	194228
48	korean_dancer	155431	98	wooden_toys	107776
49	lights	301112	99	wool_carder_bee	239602
50	macarons	225329	100	yasaka_pagoda	102729

Table 1: Name and number of different colors of the images in the CQ-100 dataset.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
1	594.64	671.22	513.83	699.85	560.17	701.24	567.13	828.16	1088.45	598.67
2	193.88	203.98	202.06	289.83	179.52	220.26	173.84	286.23	366.10	203.83
3	103.36	109.03	99.88	127.49	97.97	128.71	86.50	164.21	161.16	117.19
4	187.77	193.63	243.02	238.92	171.35	202.35	169.39	251.51	433.89	225.34
5	193.33	212.18	169.21	292.51	175.19	217.70	168.62	623.69	587.94	214.30
6	352.73	319.47	333.08	353.43	284.55	354.16	288.52	396.34	609.69	297.96
7	364.42	374.13	389.95	409.99	338.36	371.93	351.04	443.92	528.31	346.61
8	145.42	165.24	144.91	233.37	128.86	194.11	126.83	274.92	253.87	142.24
9	986.33	1144.15	891.69	1112.60	954.16	1251.70	993.31	1243.04	1734.22	1011.01
10	291.82	321.53	265.16	373.24	295.86	302.94	270.91	425.01	512.84	325.39
11	258.84	312.76	267.79	383.27	267.17	289.32	245.63	497.75	655.11	325.53
12	356.50	391.95	320.12	434.40	331.36	403.74	340.82	488.33	613.72	352.68
13	726.07	796.53	649.47	827.24	697.06	806.89	699.98	947.12	1113.06	731.14
14	300.02	341.21	274.83	386.10	296.30	326.45	290.71	440.94	540.55	331.05
15	1733.95	1681.23	1615.54	2413.06	1611.20	2103.44	1601.37	2738.30	2409.19	1841.34
16	139.96	121.20	134.64	134.91	209.91	158.04	90.44	202.88	634.00	130.57
17	328.54	342.97	308.31	477.98	329.01	348.83	279.51	439.60	666.73	333.04
18	232.02	244.72	197.96	291.93	212.54	241.95	200.13	275.92	398.48	239.13
19	208.69	213.51	177.91	231.35	177.70	224.78	184.16	281.58	365.88	257.89
20	284.47	285.60	275.42	344.09	252.31	295.37	252.84	349.19	457.75	340.52
21	335.24	389.36	308.57	393.42	309.72	361.18	316.92	459.66	602.49	401.82
22	88.60	79.35	110.90	102.22	71.34	90.83	66.25	104.33	146.20	86.36
23	87.34	59.44	61.21	81.56	53.56	66.52	54.10	93.72	218.91	91.62
24	266.21	291.25	234.93	332.02	246.38	272.52	247.77	343.95	389.61	284.76
25	261.35	306.05	241.14	337.60	293.47	291.92	251.71	362.27	503.96	287.42
26	557.20	609.55	521.11	659.86	530.50	671.41	518.14	742.17	949.79	571.89
27	161.30	176.55	238.01	213.29	140.11	182.86	145.22	220.84	327.20	171.85
28	505.07	576.11	473.84	591.44	477.30	594.24	455.87	669.51	812.06	553.70
29	471.82	547.22	417.90	591.44	563.70	533.37	454.31	676.30	1110.23	487.64
30	330.02	379.47	320.20	390.27	314.66	405.35	320.32	470.52	665.57	403.55
31	544.21	586.34	466.90	629.33	495.02	621.68	505.35	709.03	842.68	526.60
32	586.21	705.16	527.75	720.76	577.31	727.99	569.63	823.24	898.99	581.99
33	430.70	485.30	394.87	488.01	405.39	473.87	414.06	600.16	705.58	501.04
34	353.03	388.13	317.29	378.81	345.38	380.56	336.36	479.37	550.26	373.14
35	552.84	614.58	502.29	638.21	530.42	601.69	532.58	732.53	990.77	591.90
36	579.08	657.36	538.58	691.62	556.10	687.54	563.46	798.43	848.47	595.87
37	509.65	543.93	455.99	610.35	506.38	591.07	472.64	761.86	977.80	511.14
38	168.02	178.00	284.50	294.58	146.08	169.94	143.75	222.36	298.74	191.08
39	157.10	161.27	135.22	181.77	128.41	151.72	133.10	230.44	282.97	168.31
40	480.56	538.66	438.65	550.78	465.26	509.66	469.76	632.27	797.42	484.58
41	593.21	669.35	548.22	665.95	541.20	694.10	581.29	768.20	893.00	577.15
42	563.48	629.75	519.94	670.67	555.35	668.46	557.87	768.19	1083.83	568.33
43	402.55	423.67	333.84	500.45	353.58	480.74	354.18	564.05	697.18	378.94
44	453.69	506.47	414.39	547.34	419.80	477.85	444.10	564.54	759.33	471.81
45	159.60	170.24	145.54	201.14	142.89	160.88	142.24	252.00	271.52	179.80
46	508.57	588.03	458.32	605.90	487.73	558.51	505.74	731.25	811.97	500.55
47	297.54	323.35	290.73	379.95	271.84	321.17	272.41	396.91	628.21	350.57
48	356.55	428.05	326.11	534.70	333.78	429.21	343.24	539.93	594.07	445.23
49	1384.69	1413.74	1227.39	1465.65	1289.31	1565.85	1273.00	1565.94	1943.14	1326.55
50	762.19	832.03	636.92	821.45	710.95	814.46	690.49	1114.43	1154.66	700.15

Table 2: MSE error for images 1 to 50 – 32 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
51	271.48	298.21	237.34	342.40	250.01	315.85	250.30	376.03	441.00	279.43
52	278.53	331.80	257.08	339.80	269.03	311.95	261.15	415.48	523.59	340.71
53	115.24	140.46	106.85	157.21	115.31	140.93	107.51	181.70	213.35	170.45
54	582.61	641.29	519.27	682.44	531.33	682.67	547.54	721.92	983.81	643.67
55	166.03	175.40	182.73	213.33	157.68	165.91	146.42	237.80	261.38	211.26
56	507.97	558.10	454.05	564.70	452.95	570.69	460.00	661.33	976.88	525.03
57	311.67	338.05	307.85	403.62	308.20	326.33	279.57	421.70	536.25	365.55
58	603.38	725.32	540.74	726.19	532.46	701.59	571.10	829.24	846.43	629.81
59	392.51	449.04	349.23	504.29	361.90	436.03	384.32	583.33	633.50	398.07
60	243.76	267.53	204.73	300.54	202.49	276.35	217.74	445.63	437.61	301.72
61	366.11	410.92	347.55	463.21	377.46	407.55	349.67	745.43	759.88	404.50
62	261.46	304.61	232.75	358.63	227.44	266.29	243.29	356.84	509.20	268.62
63	502.99	566.33	444.37	612.34	499.59	581.35	473.75	648.42	853.47	500.96
64	206.68	221.81	228.62	228.88	165.84	219.36	178.93	335.88	410.14	272.19
65	361.07	420.15	337.05	445.04	336.08	373.29	349.17	589.01	546.33	384.25
66	246.90	243.19	196.20	256.37	227.49	240.37	206.89	325.71	429.81	252.76
67	634.26	759.13	593.84	769.77	634.61	755.97	643.00	937.84	1061.34	647.66
68	548.97	609.76	503.85	716.61	509.97	705.12	509.94	803.32	984.05	647.45
69	584.25	656.93	533.60	680.29	547.25	677.30	559.36	800.13	1140.98	612.98
70	365.30	430.68	323.80	477.90	334.60	404.11	347.98	555.84	625.23	367.77
71	309.93	369.18	301.35	384.12	299.81	341.53	299.40	411.60	620.61	353.64
72	160.63	160.55	152.78	212.30	144.04	167.26	135.96	233.80	272.54	188.66
73	288.76	322.29	266.41	358.89	242.67	328.65	259.52	370.27	550.70	352.53
74	380.93	432.71	344.59	444.86	343.96	393.93	364.62	611.85	674.30	404.54
75	180.25	185.24	168.93	237.11	159.59	191.86	157.34	238.19	320.90	196.56
76	538.17	561.71	484.46	624.05	523.40	595.30	504.29	698.29	890.40	540.64
77	358.79	425.57	326.08	410.49	331.36	392.52	346.52	483.85	698.80	361.46
78	552.36	638.79	505.46	621.70	512.94	673.21	523.94	780.38	893.83	575.53
79	574.07	662.33	509.10	651.61	564.03	639.60	542.95	811.24	1013.38	638.08
80	366.86	385.36	365.31	497.72	341.76	398.17	337.31	470.27	600.09	432.93
81	635.51	656.91	538.21	724.33	569.43	691.56	575.24	796.68	955.28	596.43
82	55.25	25.39	62.43	41.93	21.37	26.17	23.73	63.46	64.32	24.21
83	120.99	142.01	117.50	155.51	112.70	117.59	110.80	167.72	254.11	151.55
84	262.64	293.92	243.38	346.45	237.08	289.00	244.48	349.83	474.28	330.47
85	274.35	310.70	240.52	361.84	242.03	289.01	260.85	411.53	452.27	295.53
86	508.89	633.54	468.43	608.54	482.81	546.78	502.51	772.54	874.36	544.44
87	198.54	212.52	174.10	217.89	177.35	200.65	176.39	283.22	308.07	210.40
88	208.47	174.18	274.76	212.53	140.75	177.91	152.23	262.51	518.57	189.42
89	579.54	659.31	539.98	689.10	534.46	701.22	553.42	739.66	1088.15	625.28
90	114.01	120.04	124.21	157.87	104.74	113.01	98.85	164.37	189.61	150.24
91	321.23	380.31	286.13	404.25	308.18	362.55	295.51	516.85	630.91	381.63
92	594.05	638.29	548.45	645.22	596.90	700.42	556.49	777.08	902.38	597.00
93	476.23	545.59	441.91	634.63	432.94	596.38	454.89	725.61	774.90	517.37
94	212.84	239.28	254.95	317.20	188.93	233.22	201.01	313.35	418.73	273.77
95	444.05	481.76	386.45	563.52	400.08	503.53	410.03	577.41	711.66	450.50
96	258.59	300.12	238.00	372.36	235.59	285.38	241.41	376.21	501.27	247.98
97	415.13	480.71	373.04	478.92	370.08	472.32	380.41	595.70	642.34	470.39
98	233.48	289.70	269.27	373.74	249.66	335.94	219.26	579.79	419.75	332.16
99	399.38	441.04	350.63	470.94	354.15	414.14	368.36	526.81	614.05	379.39
100	130.90	142.02	111.88	165.66	112.39	126.07	116.11	178.59	271.26	125.77

Table 3: MSE error for images 51 to 100 – 32 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
1	326.14	366.96	285.09	386.41	298.31	373.01	304.03	497.39	720.04	322.59
2	104.80	111.18	106.31	139.06	88.63	107.45	92.38	154.32	245.94	96.57
3	56.41	53.12	50.32	72.24	46.09	61.92	42.91	85.35	103.19	57.97
4	116.19	111.22	131.50	136.15	98.18	119.45	95.65	159.57	235.88	112.24
5	102.86	102.06	86.21	131.99	81.04	112.26	80.39	311.26	206.59	96.32
6	207.20	160.09	158.53	198.20	136.10	178.51	138.99	214.14	295.64	148.97
7	238.14	217.25	251.29	244.40	195.67	220.53	202.56	294.97	366.06	203.08
8	81.42	79.62	75.76	101.83	68.31	85.10	63.42	148.39	162.04	79.06
9	576.64	622.25	517.38	625.78	516.83	709.44	543.93	748.84	1347.65	565.45
10	172.61	172.13	148.65	209.62	151.32	172.20	144.01	250.95	329.38	178.23
11	140.07	159.67	154.24	160.49	143.63	160.42	124.14	254.32	376.55	152.15
12	208.38	232.84	186.71	235.19	191.70	228.88	201.45	302.25	332.06	205.50
13	412.19	455.61	362.37	502.85	394.82	465.12	392.26	576.88	700.83	404.68
14	187.92	201.90	164.35	222.31	173.23	193.32	173.13	276.58	417.48	204.01
15	867.10	803.80	767.68	883.76	811.17	1033.26	742.79	1158.63	2013.06	805.65
16	82.15	52.02	52.35	73.83	47.33	61.79	43.16	87.26	332.20	62.69
17	155.68	166.32	141.63	184.25	148.24	172.75	129.19	247.20	337.17	154.17
18	127.36	128.09	105.86	161.31	108.11	126.14	105.47	161.13	211.73	121.25
19	121.36	126.32	102.01	137.83	102.86	124.64	101.58	163.43	243.90	139.42
20	164.73	173.23	168.24	194.43	144.42	169.92	151.59	223.14	241.40	184.99
21	199.26	224.05	180.37	246.70	182.33	212.94	188.39	272.38	351.99	228.97
22	54.44	44.65	60.16	53.37	34.28	42.12	34.94	60.57	106.71	42.72
23	38.34	23.42	21.90	33.19	21.39	27.15	20.94	43.56	66.18	40.21
24	156.27	162.18	130.40	197.29	135.59	152.53	135.76	201.50	269.29	151.51
25	152.03	163.95	131.67	193.23	135.16	161.80	132.49	217.57	278.78	159.09
26	318.46	350.59	280.83	364.92	291.27	370.39	298.98	403.11	589.60	314.74
27	84.92	95.30	139.74	103.02	76.38	101.19	78.90	124.94	194.17	82.52
28	279.04	321.38	247.16	341.31	258.05	343.73	261.83	409.76	571.38	290.56
29	253.52	272.97	214.95	317.86	256.21	269.74	223.40	327.03	418.06	252.00
30	209.32	230.06	197.45	236.69	185.07	240.63	192.30	302.00	371.26	234.07
31	309.66	328.04	259.48	386.80	275.34	356.75	279.54	459.36	550.77	280.90
32	315.25	400.03	277.36	389.07	286.59	384.11	310.39	470.21	494.39	312.72
33	267.14	306.43	243.98	303.07	244.31	312.30	257.94	386.25	518.19	300.67
34	218.24	236.18	185.23	228.62	191.89	223.09	198.15	295.67	391.49	214.24
35	345.58	378.75	307.17	391.52	327.24	377.13	328.95	471.07	653.58	358.85
36	336.74	379.33	297.39	405.87	313.25	386.02	323.80	519.68	520.39	328.17
37	292.83	312.71	256.20	341.29	277.61	332.06	272.53	461.34	580.40	286.74
38	100.49	96.30	152.25	122.55	78.86	91.33	80.08	131.43	165.39	136.60
39	98.01	92.73	77.48	105.31	76.47	89.54	77.48	157.42	164.34	91.98
40	298.37	316.68	252.99	330.11	274.69	314.78	274.39	412.31	427.49	276.37
41	342.99	376.25	320.02	418.75	323.94	397.89	333.98	450.29	578.91	334.00
42	330.94	362.67	289.83	392.09	307.76	387.63	312.42	470.37	631.19	314.78
43	203.53	224.29	169.55	267.15	173.90	246.75	175.75	312.74	410.63	189.23
44	279.48	303.24	248.81	324.86	251.53	302.20	265.61	371.47	484.65	292.74
45	100.36	96.53	87.52	116.55	83.86	93.98	79.62	152.27	193.85	111.51
46	297.11	339.80	252.37	375.66	268.94	314.18	274.99	439.26	453.98	279.87
47	175.77	190.87	169.01	228.21	156.33	188.53	154.58	242.23	360.36	183.62
48	209.27	227.04	176.12	262.85	179.06	218.49	185.79	292.17	389.97	214.07
49	805.41	802.74	691.50	814.15	726.13	897.98	722.23	886.10	1505.99	731.31
50	404.71	450.93	351.38	519.52	391.25	462.83	382.39	610.31	666.29	376.74

Table 4: MSE error for images 1 to 50 – 64 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
51	163.60	166.51	129.73	191.18	140.21	164.09	137.83	233.42	265.07	151.50
52	158.23	186.47	141.32	195.37	147.23	188.89	150.52	254.83	347.48	181.93
53	77.15	84.77	66.02	88.05	64.79	81.96	65.98	112.69	162.28	85.56
54	344.13	379.90	303.87	393.10	312.78	395.58	318.81	469.95	699.86	345.79
55	94.88	96.30	92.38	117.06	82.46	92.23	80.68	121.15	150.58	104.45
56	279.00	311.75	258.23	347.29	248.99	317.73	258.74	403.22	528.12	291.71
57	191.86	197.40	170.17	221.87	170.20	194.52	167.93	253.31	370.46	204.84
58	335.81	384.18	306.19	397.89	311.39	407.20	321.40	481.96	536.87	342.40
59	235.57	259.71	202.64	272.60	210.77	258.19	220.26	357.04	419.75	229.12
60	130.84	146.45	110.11	158.88	111.55	152.20	116.91	292.12	253.99	134.74
61	223.79	236.31	203.86	299.74	201.75	230.90	199.14	483.32	434.34	221.22
62	155.44	162.15	130.56	175.47	130.21	145.58	132.54	201.07	280.55	149.71
63	276.07	294.27	244.17	324.83	263.71	307.14	249.24	382.90	579.90	263.17
64	105.73	113.39	134.41	135.52	87.49	112.44	91.50	174.89	208.53	118.23
65	229.79	261.30	206.83	266.76	215.53	241.76	219.57	332.72	386.87	248.49
66	120.47	107.92	89.78	132.59	95.48	122.28	90.18	171.33	200.70	113.71
67	369.00	432.43	323.59	468.04	354.31	435.64	358.03	593.31	615.21	363.00
68	333.11	363.95	292.02	366.15	297.33	392.89	310.99	496.10	697.71	341.83
69	350.02	419.02	312.94	411.46	322.62	414.20	351.35	537.31	770.47	370.03
70	206.69	240.79	184.32	248.07	201.27	228.74	198.52	318.66	348.48	215.06
71	173.16	202.56	166.53	229.27	152.03	186.99	159.51	248.03	355.71	187.48
72	92.29	83.97	78.00	118.53	80.64	86.80	69.81	131.04	157.86	93.20
73	167.23	184.08	148.31	210.79	144.86	186.01	150.25	234.24	380.98	189.04
74	231.56	252.89	201.06	260.52	205.61	243.43	213.85	359.52	471.57	232.26
75	101.29	97.00	85.20	127.07	78.29	97.06	78.18	133.88	212.74	99.54
76	306.47	330.33	277.94	380.88	300.63	351.62	290.83	401.33	544.24	308.44
77	213.07	241.67	187.38	245.75	194.52	231.58	196.45	293.07	397.78	212.79
78	326.83	372.46	287.04	393.71	295.84	388.68	304.81	480.28	613.76	321.97
79	339.71	392.86	305.06	397.47	319.79	394.68	325.16	500.02	573.86	348.59
80	220.31	227.34	213.31	269.62	196.10	237.20	197.26	301.28	433.76	240.54
81	354.60	390.69	306.43	412.42	323.46	401.39	328.65	495.26	659.99	350.31
82	43.00	11.03	27.49	18.40	12.26	13.14	14.15	49.34	33.04	11.20
83	73.57	81.40	69.02	83.80	61.55	68.01	64.97	112.92	157.80	81.36
84	150.36	168.69	135.47	190.05	137.20	159.41	136.00	214.21	302.80	174.89
85	160.04	177.46	141.54	193.12	139.71	174.68	149.22	249.52	291.83	165.00
86	316.65	365.88	284.72	373.77	288.95	333.02	300.93	467.27	505.08	322.53
87	116.46	123.29	102.22	139.23	103.62	121.23	102.06	173.81	206.70	120.29
88	131.35	80.17	186.69	95.47	59.27	78.64	61.65	115.03	202.64	73.15
89	339.81	380.46	328.40	397.95	312.36	391.53	321.68	454.83	711.87	354.57
90	61.87	58.64	54.44	74.63	49.59	53.23	47.67	84.12	109.90	74.13
91	186.24	211.01	160.77	228.13	161.75	204.80	170.50	301.02	342.35	193.45
92	337.30	377.42	309.42	408.60	342.79	390.58	324.59	455.39	481.03	344.24
93	279.64	307.01	242.89	316.65	256.30	321.43	256.36	405.93	485.08	276.61
94	127.02	135.77	150.36	177.83	108.09	133.70	115.09	183.61	281.27	152.75
95	242.02	264.76	211.25	306.66	221.42	268.09	218.91	327.27	452.93	238.70
96	146.71	157.79	130.24	169.38	120.67	160.49	126.03	205.50	299.62	141.82
97	230.26	250.99	197.06	283.67	206.74	250.55	204.33	337.09	405.34	237.74
98	126.28	154.75	126.10	177.88	114.88	142.65	118.24	239.39	253.68	157.96
99	239.21	256.43	204.67	266.94	211.74	247.64	222.04	340.16	405.43	239.89
100	73.92	77.95	61.27	89.95	63.79	74.71	62.39	103.77	145.50	71.20

Table 5: MSE error for images 51 to 100 – 64 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
1	190.58	202.31	158.84	212.63	163.88	209.64	167.87	310.28	434.10	172.35
2	53.43	56.16	60.00	59.86	45.14	53.72	44.53	77.32	130.73	45.45
3	37.30	29.44	26.05	40.88	22.50	28.04	23.56	56.23	67.23	27.77
4	75.67	68.20	85.12	72.20	57.56	68.88	58.77	104.19	139.34	68.32
5	58.53	51.08	47.01	65.36	41.56	55.72	41.17	105.73	123.17	44.64
6	138.25	87.02	84.97	95.64	70.68	90.77	72.70	116.71	175.90	80.58
7	160.71	136.50	156.33	151.01	122.53	138.25	124.25	202.25	227.95	123.68
8	50.47	44.26	38.30	53.09	34.65	44.17	34.54	78.06	92.27	38.00
9	329.51	352.38	297.89	374.86	300.40	399.33	308.95	450.73	658.59	311.99
10	103.15	100.65	84.60	119.50	83.39	97.84	84.90	148.48	231.15	90.76
11	81.06	85.65	70.76	92.17	66.49	85.50	69.35	137.17	213.43	74.59
12	127.54	136.17	109.89	142.04	112.61	135.99	118.44	197.04	253.01	114.74
13	243.66	259.04	205.32	280.68	216.39	272.82	220.59	362.73	387.03	218.55
14	118.51	127.60	101.75	133.27	106.80	124.17	106.63	175.31	239.71	113.87
15	429.64	381.95	374.25	466.73	383.63	449.93	340.43	503.71	580.99	412.87
16	57.25	26.50	25.05	47.85	19.26	29.18	20.44	52.06	80.71	27.43
17	94.10	91.44	76.59	101.33	73.83	97.60	72.41	143.17	213.45	81.36
18	72.16	74.25	57.64	81.36	58.58	70.02	60.58	101.82	137.42	64.22
19	70.23	73.43	60.28	79.89	58.47	76.48	59.26	107.03	156.05	64.05
20	100.49	104.86	101.32	120.02	86.32	101.51	90.02	152.32	187.05	98.04
21	125.38	134.88	107.32	143.88	106.29	129.11	113.83	177.92	235.93	126.39
22	38.01	24.87	34.29	28.89	19.00	21.95	19.66	38.73	73.54	24.68
23	25.66	11.88	10.74	14.11	9.28	11.01	10.06	25.67	47.07	12.11
24	91.84	91.53	73.26	109.24	76.32	86.51	76.33	122.84	177.85	84.83
25	86.59	89.84	72.23	101.47	70.72	89.90	71.93	128.03	171.21	79.98
26	189.73	199.85	162.91	204.08	172.21	211.84	168.94	242.08	407.57	176.83
27	49.07	53.61	72.39	57.97	42.63	55.12	43.97	76.89	140.58	49.18
28	174.03	187.85	152.48	192.72	150.09	199.78	157.31	254.21	353.94	159.84
29	142.98	141.57	114.26	173.60	118.81	151.59	117.00	182.01	270.83	123.69
30	129.78	137.91	120.70	152.41	113.00	141.21	116.12	192.07	267.05	125.27
31	173.10	190.78	145.61	207.55	153.05	197.28	159.52	280.00	277.55	152.87
32	189.19	219.20	157.84	227.61	162.32	215.94	173.73	279.23	305.11	172.21
33	174.81	193.93	156.42	193.63	156.74	197.81	165.73	253.10	395.69	170.23
34	134.82	138.00	112.15	141.21	118.94	135.94	118.58	189.87	253.26	118.64
35	217.31	237.00	192.09	240.63	206.17	239.82	206.17	304.83	379.43	209.85
36	195.51	221.25	166.28	231.87	173.87	219.13	183.37	331.73	296.41	175.69
37	174.26	180.74	151.46	203.01	161.11	185.58	155.38	275.26	354.34	160.91
38	60.29	56.22	77.40	67.89	39.86	51.04	42.66	78.71	114.26	58.98
39	60.98	54.18	44.38	61.78	43.42	52.44	44.26	102.29	112.62	48.08
40	180.64	194.22	152.94	190.91	165.64	194.40	165.88	273.32	301.23	164.57
41	208.60	226.98	190.39	228.04	190.05	241.05	199.66	287.81	353.60	197.09
42	195.35	206.13	165.86	211.96	170.90	228.34	177.96	286.72	393.05	171.57
43	114.80	118.26	86.44	141.44	91.39	125.75	93.47	166.71	203.71	93.33
44	181.28	187.18	149.81	194.24	156.86	188.55	163.23	241.01	334.62	161.16
45	63.80	60.75	55.37	68.27	50.43	56.11	49.78	95.25	136.30	60.78
46	173.68	190.13	145.43	199.20	153.94	182.11	156.29	266.67	274.72	154.11
47	100.31	106.58	91.91	118.16	84.39	109.68	86.92	144.35	262.41	94.13
48	120.65	121.34	99.05	143.48	100.85	121.86	100.22	175.30	222.86	112.24
49	468.52	484.79	401.05	520.37	419.09	524.04	431.95	562.39	626.54	425.12
50	236.74	255.62	196.56	271.48	207.54	259.76	213.11	334.05	395.76	206.22

Table 6: MSE error for images 1 to 50 – 128 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
51	101.19	94.57	74.18	111.25	79.43	94.76	78.56	153.40	153.63	82.18
52	103.52	109.94	88.11	116.00	88.58	112.16	90.14	152.51	230.48	94.58
53	48.58	51.01	40.87	50.96	38.36	46.27	40.46	78.66	101.87	46.29
54	203.28	228.17	178.57	248.79	184.22	228.19	189.09	305.28	394.16	194.26
55	58.51	52.64	54.52	65.10	44.86	53.22	44.58	74.88	96.32	49.58
56	166.70	180.65	150.03	208.86	144.44	179.77	152.72	250.57	388.81	158.17
57	113.57	115.46	104.03	136.03	95.16	115.40	95.62	158.52	233.31	114.49
58	198.14	217.21	175.26	242.57	176.52	228.62	181.34	296.78	376.78	186.96
59	145.28	155.04	120.40	170.44	128.62	153.30	130.40	228.64	260.08	128.35
60	78.56	85.94	66.62	96.24	66.08	84.05	69.09	168.65	169.42	70.32
61	135.79	139.68	121.38	154.76	119.00	138.76	118.81	291.46	257.73	124.72
62	96.75	91.28	78.89	105.17	72.31	89.50	74.88	122.57	187.72	78.05
63	164.56	176.42	141.15	180.94	146.79	177.78	147.82	239.56	330.81	150.28
64	61.95	62.05	67.58	73.30	45.03	59.58	48.64	111.70	128.19	54.14
65	146.81	164.65	133.06	162.00	135.40	156.26	140.76	210.66	273.57	142.07
66	68.80	53.69	44.04	66.05	45.32	58.32	44.80	111.60	104.71	46.22
67	222.29	254.31	190.44	257.32	205.65	251.94	208.01	371.82	367.12	204.75
68	203.84	215.87	175.09	220.84	178.72	229.46	184.69	306.09	435.14	191.04
69	215.12	251.36	189.50	245.69	191.02	267.15	209.42	360.32	442.76	202.40
70	122.52	137.57	107.60	147.03	108.98	133.49	112.17	204.82	215.35	111.21
71	104.64	108.93	95.64	125.69	84.41	104.51	87.73	157.81	211.67	103.33
72	53.48	46.15	39.29	61.10	38.01	47.46	38.47	79.60	108.38	44.60
73	101.24	109.04	94.00	120.32	85.89	109.46	89.12	147.91	261.67	95.25
74	147.20	156.83	126.29	164.39	131.19	154.59	135.77	220.47	280.91	136.15
75	55.80	52.38	49.17	63.75	41.45	48.42	42.79	76.77	121.05	50.80
76	187.04	193.01	161.99	204.09	169.81	198.81	168.59	246.86	320.33	169.27
77	127.66	139.10	109.49	144.90	108.17	136.74	113.75	183.40	280.43	116.72
78	197.09	215.36	169.20	233.26	175.81	228.84	181.71	300.69	372.59	179.21
79	210.04	237.06	185.26	240.77	197.58	238.93	196.72	342.00	379.80	199.54
80	135.63	137.38	133.92	152.03	117.46	144.56	120.10	191.42	290.98	133.29
81	208.85	224.19	178.42	243.68	185.10	231.96	188.02	324.91	427.43	193.23
82	35.96	6.02	15.30	8.70	5.72	6.64	9.41	41.05	24.29	6.35
83	49.17	49.39	43.33	53.59	39.64	42.87	41.27	75.23	114.66	45.64
84	90.52	101.28	83.08	110.33	78.32	93.69	80.36	137.88	207.63	89.53
85	100.03	104.90	82.96	110.26	85.24	105.35	87.71	160.20	192.36	88.73
86	197.64	218.74	168.88	230.33	173.13	212.04	182.67	274.79	341.23	183.34
87	74.05	75.09	61.15	78.07	59.17	74.71	60.69	108.39	148.11	64.10
88	103.22	39.67	95.30	46.94	28.74	38.30	28.28	64.13	103.43	36.15
89	218.21	232.01	192.02	231.50	190.64	237.44	196.71	284.89	429.80	201.72
90	36.59	30.67	28.74	39.07	25.65	28.64	24.86	46.58	74.22	32.99
91	107.20	121.19	94.25	130.52	94.28	117.17	96.13	190.38	233.61	100.77
92	210.71	222.05	180.78	239.98	190.61	232.64	189.97	288.82	332.99	192.11
93	168.10	183.03	142.55	196.59	147.27	187.00	151.06	243.50	282.04	153.12
94	83.80	80.00	92.35	97.19	64.71	81.78	67.64	119.80	150.45	82.24
95	144.09	145.09	113.61	155.53	116.12	150.15	119.76	193.86	250.00	124.15
96	91.39	90.59	74.83	102.65	71.21	87.38	74.41	128.05	185.14	80.91
97	136.82	146.02	116.39	155.12	122.14	149.18	120.53	206.17	244.89	128.54
98	72.36	82.25	70.33	91.52	59.07	75.95	62.17	124.12	161.39	69.64
99	147.43	150.04	121.99	166.84	125.82	150.34	129.62	222.89	252.00	128.80
100	42.47	44.91	33.72	48.31	33.45	42.16	35.48	60.79	92.80	38.19

Table 7: MSE error for images 51 to 100 – 128 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
1	118.65	118.59	93.76	123.25	96.03	123.55	98.46	195.25	255.66	105.30
2	33.10	31.81	31.90	33.08	23.46	27.71	24.65	45.97	87.21	28.28
3	24.04	18.12	15.06	20.51	12.37	14.61	13.69	42.98	40.74	16.52
4	47.89	41.23	54.73	42.71	34.66	41.86	35.55	71.95	91.59	43.33
5	36.96	28.85	24.93	34.04	23.16	29.12	22.72	53.09	77.32	27.62
6	105.89	47.45	48.84	53.52	38.70	48.31	40.09	66.34	120.24	48.12
7	113.31	87.11	100.71	89.57	76.17	87.68	78.38	147.22	151.83	81.72
8	32.41	27.13	22.84	30.55	20.81	26.26	21.31	47.83	72.77	23.64
9	194.36	205.60	166.37	215.41	170.36	225.53	178.24	267.36	393.25	187.54
10	69.25	61.97	52.14	66.90	49.92	60.08	51.72	93.62	148.24	56.98
11	48.85	47.26	40.71	53.52	38.60	47.72	38.97	79.58	144.67	43.68
12	80.40	81.57	64.52	81.26	67.77	81.26	70.09	128.70	150.95	71.32
13	144.78	154.36	120.70	163.43	128.01	157.85	132.02	230.64	273.05	132.81
14	77.12	79.63	64.45	81.42	66.88	79.89	67.08	120.19	182.38	72.60
15	141.03	79.82	85.04	124.58	105.09	125.65	64.03	224.12	310.09	132.24
16	47.09	14.47	12.48	20.52	9.56	13.23	10.42	37.38	63.48	18.60
17	58.89	51.23	44.71	61.13	43.05	55.07	41.58	92.16	129.48	50.05
18	45.00	43.21	33.78	45.85	33.90	39.63	34.79	68.41	90.88	37.49
19	43.95	44.68	35.48	47.67	35.25	45.05	36.84	65.69	110.32	40.06
20	63.19	64.21	61.68	70.52	53.75	63.71	55.45	106.14	132.97	61.29
21	78.11	80.40	66.35	85.30	64.90	77.68	68.40	113.53	163.56	81.80
22	30.01	15.70	19.27	16.31	11.04	13.02	12.16	27.19	57.13	16.10
23	22.19	8.34	5.67	7.00	5.14	5.63	6.84	21.68	29.60	7.03
24	58.66	53.54	43.21	61.73	44.07	51.70	45.00	78.52	113.06	50.46
25	52.79	50.18	40.52	58.95	40.52	50.30	40.54	80.47	108.25	45.95
26	118.32	116.45	95.75	120.18	96.73	121.57	99.34	149.75	250.44	107.78
27	30.62	31.12	44.19	33.93	24.81	30.78	25.76	47.71	89.92	35.18
28	104.62	112.07	92.84	114.31	90.46	117.26	93.73	154.69	259.35	99.40
29	83.01	78.29	62.28	92.66	63.25	82.44	64.25	107.93	176.15	71.92
30	84.54	84.43	75.30	92.00	70.16	86.90	71.61	126.03	183.16	80.07
31	103.51	107.59	82.78	115.27	88.43	113.45	90.45	175.52	178.49	91.73
32	120.08	129.05	93.41	135.96	97.06	124.60	104.04	175.96	202.46	106.04
33	111.50	122.53	97.67	124.94	98.65	126.18	104.03	166.54	249.76	110.62
34	85.95	85.57	68.64	85.67	72.20	86.95	73.86	133.12	178.90	76.96
35	138.55	148.04	121.05	155.37	126.42	152.44	129.32	204.44	299.06	134.25
36	121.78	126.63	98.74	132.74	103.84	127.16	107.25	220.42	218.86	106.85
37	107.07	108.38	90.55	117.21	89.85	110.96	91.77	169.35	225.95	98.63
38	37.41	30.98	40.68	33.17	21.78	27.99	23.48	52.88	70.47	33.68
39	41.16	32.26	26.31	35.51	25.20	30.30	26.27	63.40	82.28	29.39
40	116.96	119.09	94.53	122.90	98.89	121.25	102.73	192.53	213.02	103.33
41	130.09	135.44	114.58	137.10	114.26	143.36	118.82	191.73	230.67	120.62
42	119.63	119.53	96.27	126.70	97.51	129.89	103.20	179.93	237.75	104.45
43	69.59	65.16	49.00	72.73	51.35	67.59	52.20	93.88	123.35	54.73
44	114.98	114.56	91.77	118.94	96.05	117.61	100.01	162.97	263.05	101.21
45	42.55	37.15	33.23	39.70	30.36	34.81	30.49	61.85	90.28	37.30
46	107.70	112.60	86.34	120.35	88.90	108.27	93.69	167.82	180.05	96.00
47	61.79	62.18	54.15	68.72	49.89	61.47	50.75	88.68	200.25	56.61
48	71.48	70.37	55.50	77.84	55.68	69.62	57.82	106.15	152.75	65.92
49	287.40	287.89	235.65	299.22	243.72	319.00	254.24	361.52	413.41	262.42
50	138.23	147.44	110.51	152.45	114.60	149.19	121.39	201.35	262.14	119.16

Table 8: MSE error for images 1 to 50 – 256 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
51	61.16	57.63	43.80	63.77	45.12	54.59	47.20	92.19	112.28	47.72
52	62.86	66.20	52.63	69.87	53.46	66.58	54.94	90.74	170.49	60.42
53	32.42	31.89	25.10	31.94	24.34	29.23	25.41	54.55	78.76	30.94
54	129.22	136.34	107.01	138.48	108.66	140.17	115.02	197.71	278.42	120.51
55	38.14	31.09	31.36	35.27	24.61	30.22	25.75	48.13	74.75	29.90
56	101.47	107.09	88.69	115.28	85.43	104.91	89.37	159.39	205.27	95.89
57	68.27	68.71	63.02	83.32	56.24	67.89	56.79	105.05	149.52	68.57
58	122.26	129.35	103.57	142.45	101.84	136.00	107.77	189.43	213.51	116.95
59	92.15	95.76	71.34	99.95	75.91	93.77	79.12	146.48	165.46	78.84
60	49.11	50.32	39.72	54.17	39.41	49.64	40.81	92.38	114.27	44.24
61	84.81	84.68	72.80	95.35	71.35	86.07	73.13	151.62	163.78	78.01
62	54.90	52.90	44.65	59.84	41.19	53.93	43.52	77.22	118.96	46.87
63	107.68	109.31	86.91	109.78	89.40	109.46	92.12	157.58	206.03	96.63
64	40.12	34.65	38.93	36.65	24.97	32.01	26.45	80.55	78.81	32.43
65	97.96	103.42	84.42	102.90	86.12	102.45	90.18	140.63	207.47	93.80
66	41.81	28.74	22.44	33.52	23.13	30.06	24.13	61.54	65.17	25.58
67	137.30	151.46	116.04	157.56	127.86	150.04	127.01	237.10	234.32	128.87
68	126.44	128.53	107.30	137.20	106.75	137.50	111.19	210.05	291.37	123.64
69	137.14	153.12	117.36	154.16	120.12	162.31	128.45	237.36	303.68	131.34
70	76.30	81.88	63.93	88.78	64.99	81.04	66.74	133.26	139.30	69.34
71	65.63	63.46	59.48	72.58	50.59	59.83	52.27	104.87	141.42	62.77
72	33.58	27.28	22.84	31.93	21.95	26.27	22.29	56.99	65.64	28.50
73	63.90	64.61	56.83	71.97	51.91	65.79	53.38	96.63	214.09	61.26
74	97.35	100.52	80.34	104.01	83.19	100.27	86.32	141.73	201.10	88.01
75	35.25	31.41	28.56	33.82	23.18	26.76	24.93	48.66	80.13	27.77
76	116.11	114.60	95.81	119.07	97.63	117.86	99.93	163.33	217.04	104.09
77	80.34	82.69	63.86	85.36	65.36	82.42	68.48	114.11	184.99	72.22
78	122.84	130.66	104.87	134.63	105.69	134.80	110.53	194.08	245.56	112.57
79	136.74	147.09	115.87	151.93	122.68	146.85	124.60	234.79	263.73	127.12
80	85.07	84.14	83.51	91.98	70.99	88.33	73.91	127.72	184.05	83.62
81	130.15	134.63	105.69	140.60	109.27	139.91	113.04	215.89	249.97	118.70
82	32.55	3.47	8.97	4.26	4.22	3.31	5.74	37.65	22.25	5.26
83	33.73	31.73	28.30	32.25	25.70	29.20	26.79	54.72	78.63	29.48
84	58.11	62.18	51.36	65.87	48.67	57.99	50.32	90.22	135.48	56.64
85	61.21	62.88	50.37	63.46	51.65	64.38	53.32	105.10	125.60	55.17
86	127.60	132.89	103.68	136.35	107.21	134.30	112.91	180.99	231.56	116.82
87	45.93	45.24	36.70	46.31	36.44	46.06	37.18	68.50	106.49	41.33
88	87.62	22.65	42.25	20.42	13.78	18.60	14.88	39.22	69.57	20.41
89	141.22	141.40	120.19	144.32	117.28	149.14	121.79	189.11	309.16	130.47
90	24.05	18.31	16.57	19.00	13.81	15.76	14.45	32.54	44.34	17.28
91	66.89	71.62	55.17	74.84	56.18	67.68	58.56	120.42	145.29	65.36
92	126.76	131.92	110.25	144.20	111.33	136.79	114.58	185.88	236.20	120.08
93	104.44	108.37	83.96	115.05	86.65	112.60	90.05	152.74	205.05	95.62
94	54.70	49.00	56.94	59.36	39.26	48.94	40.89	84.68	111.83	52.78
95	91.35	81.90	65.46	93.34	65.37	84.13	68.65	115.70	157.12	73.57
96	57.52	54.29	44.40	58.12	42.86	52.13	44.79	84.74	110.20	51.82
97	85.02	86.42	69.63	90.39	71.29	88.33	72.51	126.65	152.93	78.17
98	45.59	44.66	37.84	46.92	32.80	45.87	34.47	66.49	99.45	43.85
99	94.68	90.64	74.37	99.77	75.84	92.50	78.47	155.81	166.81	80.20
100	27.15	27.18	19.85	26.82	19.45	24.13	20.38	42.34	60.57	23.96

Table 9: MSE error for images 51 to 100 – 256 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
1	32.15	34.20	29.32	34.90	30.74	34.36	31.66	36.61	45.13	29.82
2	15.18	15.45	14.39	17.73	14.31	16.21	14.38	16.68	25.61	13.83
3	12.03	11.96	10.19	12.08	11.53	13.04	11.10	14.09	17.35	10.52
4	14.92	13.33	13.00	13.81	12.57	13.21	12.38	16.58	26.41	12.39
5	17.27	17.67	14.91	18.54	15.81	17.28	16.29	26.13	30.11	15.37
6	25.07	18.74	18.29	18.44	17.20	18.81	18.12	18.76	29.27	16.10
7	24.70	20.10	20.57	20.81	19.32	19.82	20.18	23.77	25.38	18.55
8	15.64	15.43	13.64	18.67	14.78	17.00	14.27	19.70	21.12	13.80
9	41.13	44.67	38.72	42.57	40.25	44.45	41.81	45.26	58.16	38.59
10	22.59	23.22	20.20	23.87	21.94	21.87	21.56	25.22	28.64	20.53
11	20.75	21.56	19.25	23.03	19.97	20.58	19.83	25.67	31.80	19.52
12	24.81	26.14	23.68	28.01	24.18	26.21	24.47	27.98	32.16	23.98
13	36.81	39.18	35.23	41.03	36.89	38.41	36.87	41.71	44.73	35.46
14	22.19	23.82	20.72	23.92	22.08	22.94	21.96	25.67	30.94	21.14
15	53.43	54.72	52.68	66.04	52.64	59.35	53.39	69.43	67.00	52.26
16	14.00	9.09	8.63	11.33	12.38	10.92	8.84	13.34	25.98	9.54
17	21.66	21.27	19.65	24.80	21.61	20.95	19.69	24.88	31.76	19.41
18	19.11	19.66	17.17	21.76	18.39	19.76	18.16	19.76	26.25	17.74
19	17.65	18.10	15.96	18.36	16.59	18.12	16.94	20.23	23.94	16.98
20	21.36	20.97	19.02	21.30	19.70	20.76	19.80	23.73	25.68	19.92
21	24.03	25.48	22.54	25.46	22.86	24.27	23.32	27.24	33.02	23.44
22	9.43	7.72	7.79	8.35	7.57	7.45	7.19	8.44	15.72	6.96
23	10.84	7.40	7.02	8.09	7.27	7.35	7.50	10.52	16.65	7.30
24	21.90	21.94	19.42	23.13	20.97	21.63	20.64	23.51	26.26	20.55
25	21.14	22.11	19.08	23.55	22.98	21.34	20.31	23.60	28.94	19.70
26	29.17	30.13	27.77	31.42	28.54	30.39	28.07	32.39	40.79	27.73
27	11.23	11.59	13.20	12.14	10.38	11.54	10.69	12.69	22.27	10.45
28	28.49	30.42	26.99	30.30	27.63	30.45	27.73	31.76	36.45	27.51
29	28.06	29.80	25.87	31.20	30.99	29.17	27.69	32.00	39.50	26.18
30	23.16	23.39	20.69	23.43	21.46	24.30	21.71	25.65	33.93	21.26
31	31.55	32.64	28.76	34.50	29.99	32.72	30.49	35.30	38.57	29.34
32	33.41	34.92	31.20	36.76	32.84	36.19	32.29	38.17	39.72	31.18
33	25.98	27.42	24.50	28.05	25.92	27.45	25.47	30.46	35.50	24.96
34	24.31	25.67	23.02	25.61	24.83	24.88	23.93	27.47	31.33	23.46
35	31.70	33.49	30.02	33.97	30.61	32.42	31.27	35.58	42.49	30.43
36	33.35	35.44	31.97	36.76	32.80	35.72	32.96	37.42	38.69	31.75
37	28.13	29.06	25.99	30.79	27.86	29.00	27.17	32.79	41.04	26.11
38	14.74	13.87	14.25	15.48	12.91	13.34	12.89	16.52	18.97	12.34
39	16.31	15.65	13.56	16.70	14.10	15.03	14.79	18.09	22.27	14.09
40	29.85	31.66	28.54	32.61	29.33	30.25	29.76	33.15	36.74	28.31
41	30.18	33.13	29.15	32.67	29.97	33.32	30.82	34.86	39.64	28.81
42	31.79	33.46	30.05	34.78	31.41	33.58	31.68	35.90	43.13	29.80
43	27.38	26.32	23.71	28.90	24.64	27.57	24.71	30.32	34.45	23.64
44	28.80	30.26	27.03	31.38	27.59	28.63	28.51	31.53	35.77	27.23
45	16.17	15.51	13.54	15.96	14.36	14.53	14.59	17.46	20.24	13.92
46	31.22	33.56	29.05	34.01	29.87	31.73	31.21	35.77	37.56	29.28
47	21.89	22.15	20.14	24.07	21.04	22.80	20.53	24.68	32.49	20.95
48	23.54	25.72	22.09	27.15	23.23	25.38	23.44	27.55	32.25	23.07
49	51.60	50.63	47.37	51.15	49.03	52.47	48.43	51.98	60.82	46.98
50	36.70	38.07	33.64	39.68	35.72	37.51	35.32	43.01	45.40	33.94

Table 10: MAE error for images 1 to 50 – 32 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
51	21.67	22.73	19.86	24.03	20.98	23.08	21.13	25.07	27.90	20.11
52	21.30	22.61	19.87	23.11	21.00	22.51	20.86	23.96	29.57	20.00
53	13.15	13.24	11.86	14.25	12.48	13.88	12.27	14.86	18.44	12.80
54	31.43	33.29	29.61	33.58	30.23	33.97	30.88	34.77	41.62	30.11
55	15.57	16.17	13.79	16.37	15.76	14.88	15.23	17.81	20.94	13.96
56	29.26	29.83	27.08	30.49	28.31	30.36	27.42	33.41	42.34	26.90
57	22.17	22.63	20.48	23.66	21.80	21.74	21.22	25.08	29.19	20.88
58	31.79	33.67	29.25	33.74	29.90	32.67	30.92	35.18	38.34	29.27
59	26.98	28.81	25.66	30.64	26.00	27.87	26.83	31.60	32.67	25.86
60	19.92	20.66	17.84	21.09	18.71	20.83	19.13	23.73	26.73	18.54
61	24.76	26.37	23.23	27.48	25.76	25.37	24.73	33.98	34.16	24.03
62	21.39	21.73	18.46	23.17	19.04	20.92	20.18	23.77	29.46	18.63
63	29.49	31.31	27.35	32.41	29.11	30.85	29.10	32.63	39.68	27.83
64	15.70	14.64	12.65	13.76	13.19	14.95	13.01	19.26	21.84	13.37
65	25.49	26.67	24.10	27.54	24.42	25.32	24.94	29.93	31.07	24.31
66	20.36	19.57	17.45	19.97	19.16	19.35	18.34	21.95	25.83	17.70
67	34.80	37.87	33.64	38.90	34.49	37.67	35.16	41.06	43.19	33.48
68	29.64	31.42	27.90	33.05	28.92	32.90	29.20	34.68	41.92	28.82
69	31.71	34.11	30.33	34.39	31.31	33.89	31.82	37.13	45.82	30.35
70	25.78	27.84	23.97	29.35	24.78	26.77	25.40	30.41	32.94	24.24
71	23.11	23.10	20.52	23.66	21.09	22.29	21.49	24.62	32.28	20.96
72	15.43	14.36	13.37	16.29	14.03	14.25	13.48	18.27	19.73	13.81
73	20.39	21.29	18.45	22.17	19.45	21.70	19.59	22.57	28.54	19.42
74	25.97	27.50	24.22	27.68	24.97	26.07	25.62	30.88	34.09	24.41
75	17.49	16.55	14.59	17.22	15.72	16.54	15.60	16.99	23.83	14.83
76	31.19	31.79	29.15	33.96	30.13	32.02	30.07	34.32	39.49	28.89
77	24.96	26.93	23.17	27.21	23.95	25.67	24.53	28.64	35.54	23.37
78	31.50	32.75	28.96	33.80	29.90	33.99	30.32	35.73	40.19	29.46
79	31.81	34.07	29.86	33.69	30.89	32.86	31.43	36.73	43.06	30.16
80	22.23	21.65	19.50	23.11	20.74	20.94	20.25	23.34	29.86	19.94
81	32.30	32.71	28.95	33.60	29.98	33.45	30.91	36.06	40.52	29.07
82	9.97	2.58	3.96	3.18	3.29	2.68	4.03	10.52	7.73	2.45
83	13.14	13.96	11.81	14.53	12.39	12.35	12.33	15.35	20.93	12.36
84	19.78	19.88	17.62	21.06	18.75	20.23	18.50	21.56	26.75	18.66
85	21.09	22.91	19.87	23.69	20.54	21.99	21.03	25.52	28.72	20.31
86	30.45	32.86	28.89	32.57	29.30	30.82	30.06	35.77	39.03	28.62
87	18.12	18.47	16.32	19.32	17.12	17.84	16.97	20.49	23.02	16.67
88	19.60	11.94	12.12	10.87	9.36	10.41	11.27	13.28	29.66	9.40
89	31.14	32.89	29.08	32.44	29.52	33.11	30.47	33.44	45.10	29.12
90	14.03	13.58	12.26	14.98	12.79	13.08	12.74	15.16	18.32	13.26
91	22.52	23.83	20.79	23.96	21.59	23.31	21.59	27.02	34.12	21.17
92	32.72	33.46	30.30	33.69	33.20	34.26	31.47	36.24	38.09	30.29
93	27.55	28.85	26.28	31.89	26.81	29.72	27.16	32.90	36.90	26.39
94	17.04	17.44	15.06	17.83	15.58	17.37	16.38	20.66	26.61	15.19
95	27.67	27.65	24.60	29.75	25.11	28.45	25.65	30.04	34.47	24.95
96	20.48	20.90	18.62	23.74	19.14	20.32	19.49	24.62	28.88	18.64
97	25.79	28.37	23.67	27.61	25.42	27.47	25.70	29.86	32.00	24.69
98	18.41	18.71	17.09	20.95	16.85	21.16	17.15	24.75	23.76	17.75
99	26.47	27.35	24.27	28.48	24.84	26.52	25.30	29.48	32.20	24.23
100	15.13	15.22	13.36	16.48	13.55	14.28	14.19	17.18	21.51	13.63

Table 11: MAE error for images 51 to 100 – 32 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
1	23.46	24.80	21.43	24.77	22.46	24.67	22.84	27.70	35.09	21.30
2	10.93	10.66	10.47	11.88	9.96	10.71	10.10	12.18	21.97	9.35
3	9.35	8.37	6.87	8.56	7.94	8.74	7.87	11.01	13.61	7.03
4	12.40	10.11	9.57	10.16	9.80	10.40	9.67	13.67	17.95	8.76
5	12.27	11.92	10.20	13.29	11.03	12.26	10.89	17.63	18.77	10.47
6	20.47	12.53	12.24	13.66	11.87	12.78	12.77	13.50	21.22	11.31
7	20.74	15.49	16.54	16.07	14.79	15.29	15.76	19.53	21.24	14.27
8	11.23	11.01	9.46	12.28	10.45	11.24	10.11	13.92	16.95	9.83
9	30.96	31.68	28.62	32.27	29.18	32.98	29.74	34.03	48.36	28.19
10	17.56	16.86	14.75	17.34	15.60	16.47	15.59	19.13	23.23	15.14
11	14.83	15.07	13.69	15.15	14.40	15.28	13.83	17.81	22.81	13.04
12	18.71	19.99	17.94	20.66	18.52	19.50	18.65	21.63	24.69	18.07
13	27.92	29.45	26.05	31.04	27.48	28.96	27.46	31.90	35.05	26.04
14	17.66	18.11	15.90	18.68	16.95	17.27	16.82	20.15	27.21	16.37
15	38.75	37.05	35.60	39.43	36.73	40.73	35.81	43.06	54.79	35.24
16	11.40	6.30	5.35	7.26	6.60	6.03	6.34	9.39	18.51	5.45
17	14.99	14.45	12.53	15.64	13.94	14.68	13.19	17.71	23.49	13.02
18	14.33	13.95	12.32	15.18	13.19	13.59	12.78	15.35	19.59	12.56
19	13.47	13.59	11.92	13.94	12.29	13.35	12.41	15.12	19.34	12.55
20	15.99	16.31	14.76	16.65	14.83	15.78	15.29	18.79	20.28	14.84
21	18.64	19.45	17.16	19.80	17.51	18.76	18.06	21.43	24.91	17.88
22	7.64	5.70	5.63	5.58	5.26	5.32	5.25	6.71	14.28	4.80
23	8.22	4.95	4.43	5.47	4.90	4.92	4.93	8.19	10.07	4.96
24	16.76	16.31	14.08	17.12	14.86	15.57	15.36	17.90	21.49	14.59
25	15.66	15.97	13.75	16.95	15.00	15.73	14.66	18.00	21.77	14.18
26	22.12	22.54	20.13	22.89	21.27	22.48	21.07	23.48	31.39	20.24
27	8.11	8.31	9.85	8.56	7.49	8.28	7.70	9.24	19.00	7.32
28	21.65	22.99	19.99	23.34	20.36	23.22	21.25	24.81	31.00	20.23
29	20.46	20.67	18.17	22.53	20.82	20.01	19.04	22.21	26.72	18.45
30	17.94	18.31	16.02	18.29	16.55	18.24	16.94	20.90	24.59	16.50
31	23.02	24.01	20.99	25.76	22.05	24.42	22.27	27.13	30.17	20.92
32	24.25	26.22	22.29	26.40	22.72	25.66	23.74	27.93	29.73	22.41
33	20.13	21.79	19.09	21.35	19.66	21.89	20.24	23.86	30.67	19.23
34	19.34	19.77	17.45	19.39	18.38	19.07	18.33	20.93	26.84	17.51
35	25.10	26.34	23.49	26.48	24.03	25.75	24.63	28.68	33.61	23.54
36	25.21	26.96	23.42	27.35	24.31	26.38	25.03	29.51	30.54	23.46
37	21.44	21.43	18.97	22.01	20.40	21.77	20.07	24.97	31.18	18.98
38	11.51	9.99	10.26	10.30	9.57	9.77	9.36	12.63	15.26	9.92
39	12.64	11.51	10.08	12.13	10.63	11.18	10.81	14.87	17.26	10.39
40	23.69	24.26	21.60	24.66	22.32	23.49	22.77	26.12	27.83	21.45
41	22.88	24.65	21.81	25.10	22.66	24.30	23.07	25.91	32.55	21.57
42	24.29	25.13	22.01	25.79	22.94	25.17	23.37	27.45	33.58	22.08
43	18.95	18.71	16.04	20.61	16.76	19.25	17.03	22.30	25.37	16.29
44	22.79	23.41	20.87	24.19	21.22	23.06	22.03	25.16	29.08	21.14
45	12.94	11.64	10.39	12.39	10.92	11.22	10.86	14.39	17.28	10.81
46	23.46	24.68	21.42	26.04	22.14	23.59	22.48	27.13	28.49	21.46
47	16.68	17.16	14.91	17.78	15.47	16.85	15.65	18.82	24.52	15.08
48	18.01	18.52	15.77	19.21	17.02	17.91	17.04	20.12	26.46	16.29
49	39.15	38.64	35.04	39.00	36.46	39.48	37.01	39.66	50.11	34.65
50	26.68	28.25	24.42	29.85	26.34	27.78	26.14	31.65	33.73	24.63

Table 12: MAE error for images 1 to 50 – 64 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
51	16.65	16.81	14.64	18.06	15.36	16.47	15.45	19.32	21.89	14.90
52	16.09	17.34	14.71	17.22	15.50	17.16	15.89	19.05	24.19	15.18
53	10.79	10.76	9.06	10.60	9.40	10.66	9.83	12.22	16.63	9.34
54	24.08	25.57	22.12	25.88	23.08	25.70	23.53	27.49	34.23	22.16
55	12.18	11.49	9.52	11.37	10.47	10.79	10.92	12.67	16.00	9.69
56	21.20	22.55	19.82	23.42	20.47	22.32	20.67	25.19	31.10	19.67
57	17.07	17.00	14.98	17.49	15.91	16.93	15.93	19.31	24.74	15.57
58	23.34	24.67	21.18	25.06	22.61	24.92	22.91	27.25	30.37	21.03
59	20.97	21.92	19.40	22.80	19.77	21.64	20.37	24.59	26.36	19.46
60	14.75	15.20	12.87	15.18	13.61	15.40	13.86	19.13	20.93	13.11
61	19.14	19.56	17.09	21.17	18.48	18.73	18.25	25.95	26.34	17.34
62	15.80	15.65	13.37	16.09	13.60	14.68	14.43	17.42	22.09	13.65
63	22.16	21.98	20.03	23.39	21.01	22.46	20.51	24.77	31.68	19.97
64	11.43	10.96	9.34	10.19	9.60	10.38	9.73	15.55	16.17	9.18
65	20.22	21.37	19.01	21.83	19.59	20.43	19.90	23.29	26.47	19.23
66	14.85	12.96	11.72	14.09	12.53	13.52	12.15	15.65	17.92	12.24
67	26.30	28.31	24.48	29.43	25.57	27.98	26.13	31.62	33.07	24.63
68	23.40	24.32	21.24	23.90	22.11	24.95	22.66	27.56	33.69	21.24
69	24.38	27.01	23.25	26.86	24.11	26.21	25.00	29.39	37.30	23.50
70	19.33	20.68	17.50	20.70	18.55	19.74	19.00	23.09	24.77	17.72
71	16.64	17.26	14.61	17.43	15.20	16.52	15.78	19.33	24.56	14.84
72	11.67	10.39	9.34	11.62	10.52	10.25	9.62	13.55	15.58	9.51
73	15.62	16.23	13.85	16.36	14.86	16.46	14.87	18.07	24.81	14.69
74	20.52	20.93	18.52	21.23	18.93	20.14	19.49	23.55	28.43	18.63
75	13.21	11.38	9.97	12.49	10.48	11.37	10.66	13.18	19.89	10.45
76	23.20	24.32	21.80	25.78	22.70	24.16	22.83	25.85	31.20	21.74
77	19.16	20.06	17.53	20.66	17.99	19.40	18.36	21.82	27.16	17.75
78	24.26	25.54	21.90	26.09	22.84	25.75	23.57	27.40	32.06	22.02
79	24.43	26.06	22.78	25.97	23.49	25.69	24.07	28.18	32.23	22.77
80	17.26	16.12	14.52	16.59	15.36	16.29	15.06	18.68	25.14	14.85
81	24.52	24.39	21.64	25.04	22.38	24.91	22.82	27.31	31.96	21.91
82	9.32	1.72	2.51	2.01	2.72	1.82	3.27	9.98	6.56	1.52
83	10.43	10.41	8.71	9.89	9.24	9.50	9.41	12.50	16.76	8.95
84	14.60	15.29	13.04	15.33	14.20	14.98	13.91	16.86	22.21	13.56
85	16.11	17.12	15.03	17.72	15.33	16.54	15.77	19.28	23.34	15.14
86	23.73	25.14	21.86	25.29	22.47	23.64	23.18	27.56	29.73	22.01
87	14.03	14.05	12.57	15.01	13.24	13.79	13.04	16.07	18.71	12.72
88	16.70	8.82	9.40	7.11	6.35	6.77	7.98	9.70	15.46	5.80
89	23.79	24.89	22.13	24.29	22.68	24.53	23.18	26.64	35.54	21.97
90	10.16	9.38	8.16	9.97	8.70	8.78	8.72	10.87	13.63	9.16
91	17.11	17.90	15.10	18.43	15.96	17.60	16.38	20.29	24.80	15.20
92	24.39	25.60	22.51	26.16	25.14	25.20	23.86	27.14	29.02	22.61
93	21.85	21.95	19.34	22.11	20.68	22.66	20.46	24.58	28.74	19.54
94	13.44	13.21	11.44	13.01	11.31	12.35	12.36	16.20	22.96	11.33
95	20.54	20.13	17.43	21.53	18.29	19.69	18.47	21.80	26.83	17.38
96	15.83	15.37	13.46	15.80	13.71	15.49	14.29	17.86	22.53	13.43
97	19.22	19.93	17.18	20.61	18.42	19.24	18.41	22.14	26.22	17.59
98	13.29	13.90	11.62	14.09	12.08	13.51	12.87	16.47	19.27	12.24
99	20.83	20.90	18.60	21.44	19.31	20.31	19.64	23.80	26.55	18.79
100	10.86	11.01	9.65	12.03	9.99	10.86	10.27	12.82	16.36	9.93

Table 13: MAE error for images 51 to 100 – 64 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
1	18.04	17.96	15.62	18.35	16.48	18.20	16.58	21.06	27.17	15.92
2	7.84	7.47	7.44	7.66	6.88	7.23	6.93	8.62	15.33	6.39
3	7.93	6.09	4.75	6.12	5.33	5.88	5.44	9.57	11.04	4.79
4	10.41	8.06	7.57	7.67	7.73	7.86	7.65	11.61	14.26	6.84
5	9.49	8.47	7.17	9.04	7.92	8.66	7.88	11.27	14.47	7.21
6	17.24	9.19	8.83	9.34	8.50	9.16	9.43	10.19	17.32	8.28
7	17.53	12.27	12.99	12.66	11.71	12.08	12.46	16.29	17.13	11.22
8	9.06	8.10	6.88	8.37	7.49	7.89	7.29	10.69	12.75	6.92
9	22.79	24.00	21.14	24.24	21.99	24.39	22.42	25.91	34.54	21.14
10	13.47	12.70	11.09	13.06	11.43	12.15	11.78	14.81	19.74	11.19
11	11.04	11.10	9.49	11.30	10.09	11.14	10.23	13.42	19.03	9.60
12	14.40	15.28	13.69	15.64	14.16	14.95	14.30	17.11	21.20	13.77
13	21.14	22.05	19.40	22.86	20.12	21.85	20.47	24.68	26.91	19.30
14	13.86	14.22	12.38	14.42	13.14	13.85	13.16	15.96	20.97	12.57
15	26.41	21.34	21.57	26.19	22.90	24.04	20.58	25.62	31.87	21.67
16	9.71	4.91	3.39	4.53	4.06	4.20	4.48	8.25	10.84	3.73
17	11.74	10.65	9.08	10.87	9.99	10.87	9.81	13.65	18.95	9.38
18	10.75	10.49	9.10	10.71	9.65	10.18	9.73	12.34	15.34	9.17
19	10.33	10.34	9.04	10.44	9.33	10.39	9.50	12.40	15.87	9.01
20	12.63	12.60	11.38	12.64	11.51	12.31	11.74	15.63	18.14	11.15
21	14.81	15.07	13.16	15.48	13.50	14.69	14.02	17.24	20.77	13.47
22	6.57	4.46	4.19	4.06	4.01	3.86	4.02	5.66	12.04	3.64
23	7.22	3.80	3.07	3.59	3.49	3.40	3.64	7.01	8.64	3.27
24	12.76	12.07	10.43	12.88	11.21	11.65	11.31	14.26	17.27	10.91
25	11.82	11.54	10.00	12.07	10.70	11.44	10.61	13.64	17.07	10.17
26	17.25	16.95	15.18	16.97	16.37	17.08	15.78	17.82	25.99	15.67
27	6.09	6.21	7.02	6.28	5.65	6.17	5.74	7.31	16.99	5.68
28	17.36	17.66	15.46	17.81	15.87	17.98	16.43	19.54	24.79	15.42
29	15.61	14.79	13.04	16.21	14.05	14.97	13.76	16.57	22.22	13.33
30	14.22	14.24	12.48	14.31	12.94	14.20	13.24	16.82	20.90	12.43
31	16.94	18.02	15.45	18.61	16.30	17.71	16.52	20.57	22.38	15.64
32	18.75	19.40	16.62	20.14	16.81	19.09	17.70	21.40	23.38	16.72
33	16.46	17.29	15.09	16.94	15.63	17.06	16.10	19.26	26.61	15.09
34	15.00	15.12	13.54	15.03	14.42	14.69	14.17	16.45	22.31	13.52
35	19.79	20.68	18.48	20.96	19.09	20.45	19.42	22.95	26.75	18.38
36	19.18	20.28	17.43	20.78	18.06	19.98	18.59	23.14	23.09	17.48
37	16.47	16.13	14.08	16.37	15.48	15.99	15.01	19.00	24.25	14.35
38	9.44	7.76	7.20	7.37	6.49	6.99	6.92	10.39	13.27	6.50
39	10.10	8.71	7.45	8.97	7.98	8.53	8.18	12.19	14.19	7.65
40	18.32	18.80	16.60	18.89	17.34	18.53	17.53	20.99	23.55	16.55
41	17.78	18.65	16.65	18.62	17.48	18.85	17.54	20.02	25.48	16.64
42	18.33	18.74	16.41	18.89	17.10	19.30	17.44	20.95	26.60	16.45
43	14.01	13.52	11.43	14.19	12.13	13.74	12.37	15.64	18.10	11.45
44	18.36	18.39	16.28	18.64	16.85	18.08	17.35	19.86	24.52	16.34
45	10.41	9.26	8.13	9.38	8.50	8.73	8.42	11.75	14.32	8.21
46	17.88	18.54	16.03	18.98	16.67	17.94	17.00	20.67	22.02	16.00
47	12.49	12.68	10.88	13.03	11.30	12.69	11.61	14.27	21.12	10.86
48	13.60	13.32	11.57	13.70	12.55	12.98	12.26	15.12	20.08	12.25
49	30.09	29.68	26.31	30.08	27.29	29.66	28.31	30.98	34.73	26.44
50	20.31	20.88	18.02	21.43	19.07	20.70	19.26	23.21	26.43	18.16

Table 14: MAE error for images 1 to 50 – 128 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
51	12.89	12.64	10.97	13.51	11.61	12.52	11.67	15.32	16.50	11.05
52	12.95	13.31	11.29	13.40	11.90	13.18	12.29	15.02	20.19	11.46
53	8.82	8.37	7.02	8.22	7.37	7.91	7.67	10.47	12.85	7.09
54	18.47	19.72	17.01	19.95	17.68	19.25	18.09	21.99	26.46	17.16
55	9.84	8.21	7.05	8.32	7.69	8.05	7.93	10.37	12.67	6.90
56	16.26	16.83	14.80	17.59	15.41	16.47	15.50	19.49	26.42	14.99
57	13.33	12.94	11.25	13.40	11.83	12.68	11.99	15.30	19.59	11.72
58	17.56	18.24	15.81	18.50	16.90	18.40	16.81	20.99	25.12	15.98
59	16.54	16.96	14.88	17.82	15.37	16.58	15.67	19.43	21.31	14.78
60	11.07	11.56	9.75	11.85	10.40	11.35	10.53	14.91	16.72	9.90
61	15.07	14.87	13.08	15.34	14.24	14.45	13.85	19.88	20.90	12.97
62	12.51	11.65	10.02	11.86	10.25	11.28	10.76	13.81	18.36	10.04
63	17.22	16.99	15.30	17.42	15.83	17.02	15.96	19.34	23.82	15.37
64	9.33	8.46	6.60	7.64	6.91	7.47	7.03	13.39	13.76	6.21
65	16.15	17.02	15.22	16.88	15.55	16.44	15.97	18.53	22.49	15.10
66	11.17	9.02	8.13	10.01	8.55	9.40	8.50	13.07	13.30	8.20
67	20.47	21.59	18.70	22.04	19.48	21.31	19.77	24.45	25.31	18.72
68	18.26	18.49	16.18	18.72	16.80	18.87	17.30	21.23	28.52	16.21
69	19.15	20.88	17.88	20.56	18.33	21.08	19.28	23.56	28.55	17.92
70	14.55	15.31	13.12	15.62	13.69	14.85	13.98	17.75	19.31	13.03
71	13.07	12.52	10.72	12.71	11.03	12.06	11.43	15.32	18.86	10.98
72	8.96	7.77	6.61	8.24	7.34	7.75	7.25	11.07	13.04	6.89
73	12.30	12.43	10.79	12.59	11.31	12.31	11.42	14.41	20.66	10.69
74	16.29	16.53	14.52	16.74	15.19	16.05	15.47	18.53	22.52	14.53
75	9.54	8.48	7.36	8.71	7.55	7.86	7.85	10.27	14.48	7.35
76	18.10	18.25	16.34	18.62	17.26	18.13	17.07	20.09	24.17	16.33
77	14.78	15.18	13.30	15.61	13.54	14.82	13.86	17.17	22.92	13.41
78	18.56	19.34	16.67	19.56	17.36	19.53	17.97	21.71	25.73	16.59
79	19.20	20.43	17.64	20.29	18.17	19.81	18.85	23.13	25.97	17.58
80	13.29	12.60	11.27	12.47	11.77	12.45	12.05	15.46	20.95	11.19
81	18.84	18.55	16.20	18.97	16.84	18.50	17.02	22.24	25.51	16.30
82	8.75	1.27	1.75	1.23	1.43	1.20	2.82	9.60	6.08	1.04
83	8.63	7.97	6.77	7.79	7.26	7.25	7.32	10.45	14.30	6.73
84	11.56	11.66	9.97	11.49	10.63	11.09	10.46	13.74	18.08	9.83
85	12.59	13.07	11.36	13.53	11.90	12.89	11.97	15.20	18.67	11.55
86	18.54	19.26	16.90	19.66	17.35	18.75	17.91	21.07	24.63	16.79
87	11.12	10.88	9.63	11.21	9.91	10.82	10.06	12.92	16.24	9.58
88	15.37	6.73	6.54	4.90	4.26	4.60	5.40	7.89	12.71	3.98
89	18.98	19.17	16.99	18.96	17.67	19.11	17.91	20.70	28.38	16.92
90	8.09	6.78	5.79	7.14	6.20	6.40	6.20	8.75	11.33	6.20
91	12.69	13.35	11.39	13.42	12.03	13.33	12.18	15.99	20.72	11.49
92	19.06	19.51	17.05	19.73	18.30	19.45	18.18	21.46	24.01	17.11
93	16.62	16.87	14.67	17.18	15.52	16.95	15.62	18.90	21.93	14.63
94	11.33	9.86	8.82	9.72	8.55	9.59	9.07	13.71	15.50	8.39
95	15.78	14.81	12.66	14.85	13.17	14.57	13.73	16.59	20.83	12.75
96	12.44	11.46	9.93	12.02	10.25	11.11	10.68	13.84	17.56	9.94
97	14.85	14.97	13.11	15.03	14.13	15.07	13.83	17.36	20.60	13.17
98	10.24	10.27	8.47	10.40	8.82	9.75	9.34	12.25	15.71	8.48
99	16.26	16.14	14.27	16.55	14.81	15.73	15.13	18.97	20.77	14.26
100	8.46	8.42	6.98	8.50	7.29	8.11	7.63	10.18	12.92	7.14

Table 15: MAE error for images 51 to 100 – 128 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
1	14.04	13.78	11.75	13.71	12.43	13.69	12.64	16.41	21.15	12.06
2	6.30	5.78	5.18	5.40	4.89	5.06	5.11	6.90	12.77	5.43
3	6.73	4.99	3.26	4.21	3.83	4.04	4.27	8.82	8.52	3.51
4	8.43	6.45	6.06	5.98	6.42	5.75	6.14	10.09	12.15	5.54
5	7.88	6.34	5.11	6.37	5.88	6.25	5.69	8.78	11.66	5.41
6	15.19	6.77	6.59	6.80	6.32	6.71	7.26	7.90	14.21	6.98
7	15.08	9.76	10.43	9.89	9.61	9.57	10.01	14.02	14.21	9.34
8	7.54	6.44	5.23	6.24	5.65	6.05	5.66	8.87	11.40	5.23
9	17.14	18.10	15.61	17.71	16.42	18.21	16.80	19.68	27.08	16.09
10	11.01	9.97	8.59	9.90	8.90	9.61	9.20	11.91	15.81	8.71
11	8.62	8.31	7.10	8.34	7.60	8.13	7.66	10.50	15.65	7.19
12	11.35	11.77	10.39	11.87	11.02	11.50	10.93	13.78	16.77	10.72
13	16.26	16.84	14.77	17.44	15.50	16.71	15.63	19.18	21.87	14.91
14	11.07	11.25	9.75	11.30	10.41	11.10	10.41	12.99	17.89	10.05
15	16.17	7.10	7.14	10.24	9.08	9.14	7.03	13.89	22.32	10.66
16	8.98	3.88	2.22	3.01	3.03	2.83	3.40	7.44	9.96	2.75
17	9.42	7.98	6.73	8.12	7.69	8.10	7.40	11.13	14.56	7.03
18	8.61	8.03	6.80	8.15	7.29	7.57	7.37	10.34	12.77	7.00
19	8.42	8.14	6.93	8.19	7.32	8.08	7.52	9.99	13.76	7.03
20	10.13	9.88	8.79	9.94	9.14	9.69	9.26	13.18	15.16	8.64
21	11.58	11.63	10.21	11.82	10.52	11.32	10.84	13.99	17.19	10.57
22	5.99	3.71	3.08	3.13	3.04	2.94	3.29	5.07	11.14	3.59
23	6.90	3.45	2.20	2.59	2.67	2.52	3.24	6.74	7.39	2.35
24	10.23	9.12	7.88	9.50	8.43	8.85	8.53	11.55	13.88	8.21
25	9.34	8.66	7.39	9.14	7.99	8.60	7.95	11.10	13.50	7.52
26	13.62	12.95	11.45	12.72	12.22	12.86	12.10	13.92	21.10	11.82
27	4.84	4.75	5.44	4.73	4.36	4.62	4.37	5.82	13.45	5.90
28	13.44	13.67	11.98	13.62	12.41	13.79	12.71	15.43	20.95	12.08
29	11.84	10.90	9.39	11.60	10.17	10.98	10.14	12.68	17.61	9.83
30	11.41	11.32	9.75	11.03	10.18	11.12	10.48	13.92	17.06	9.73
31	12.91	13.25	11.47	13.72	12.23	13.26	12.23	15.85	17.86	11.79
32	14.79	14.95	12.79	15.24	13.06	14.48	13.65	16.82	18.63	12.92
33	13.07	13.78	11.87	13.32	12.41	13.64	12.76	15.78	21.05	11.99
34	11.97	11.87	10.58	11.72	11.23	11.75	11.12	13.57	18.20	10.66
35	15.78	16.45	14.63	16.70	14.98	16.32	15.45	18.64	22.97	14.68
36	15.14	15.33	13.35	15.69	13.93	15.08	14.16	18.60	19.27	13.46
37	13.12	12.26	10.66	12.29	11.48	12.13	11.39	14.71	19.29	11.00
38	7.80	6.08	4.99	5.16	4.77	5.11	5.18	9.06	10.44	4.66
39	8.52	6.76	5.62	6.66	6.03	6.36	6.31	9.93	12.16	5.81
40	14.73	14.76	13.00	14.91	13.44	14.52	13.84	17.30	19.36	13.10
41	14.14	14.36	12.83	14.42	13.50	14.36	13.45	16.00	20.41	13.27
42	14.25	14.04	12.30	14.33	12.76	14.29	13.12	16.43	20.34	12.52
43	10.91	9.91	8.41	10.20	9.08	9.96	9.15	12.10	14.07	8.56
44	14.60	14.32	12.68	14.64	13.10	14.18	13.51	16.17	20.92	12.81
45	8.66	7.43	6.20	7.05	6.61	6.83	6.71	9.99	11.94	6.34
46	13.96	14.20	12.24	14.59	12.74	13.70	13.08	16.30	17.64	12.43
47	9.79	9.59	8.14	9.59	8.59	9.40	8.80	11.29	18.37	8.21
48	10.45	10.01	8.55	10.16	9.32	9.80	9.25	11.79	16.85	9.21
49	23.70	22.36	19.74	22.63	20.51	22.84	21.27	24.09	27.77	20.38
50	15.37	15.64	13.28	16.10	14.02	15.41	14.35	17.73	21.40	13.61

Table 16: MAE error for images 1 to 50 – 256 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
51	10.08	9.76	8.31	10.09	8.69	9.39	8.97	12.00	14.13	8.44
52	10.18	10.21	8.70	10.22	9.25	10.19	9.48	11.81	17.15	9.02
53	7.48	6.80	5.44	6.29	5.94	6.26	6.12	9.15	11.24	5.58
54	14.78	15.19	13.09	15.20	13.61	15.13	14.09	17.34	22.17	13.37
55	8.24	6.39	5.20	5.95	5.53	5.96	5.87	8.78	11.17	5.10
56	12.54	12.88	11.23	13.16	11.69	12.44	11.81	15.44	19.21	11.47
57	10.30	9.83	8.52	10.09	8.98	9.64	9.06	12.60	15.80	8.64
58	13.82	13.96	11.94	14.17	12.72	14.05	12.88	16.81	18.96	12.44
59	13.03	13.25	11.39	13.49	11.82	12.92	12.15	15.66	17.32	11.52
60	8.98	8.81	7.49	8.84	7.98	8.67	8.08	11.61	14.15	7.64
61	11.82	11.55	10.17	11.79	10.88	11.31	10.82	14.77	16.38	10.12
62	9.46	8.78	7.54	8.87	7.84	8.68	8.17	11.24	14.61	7.57
63	13.89	13.45	12.01	13.60	12.44	13.44	12.65	15.86	18.75	12.10
64	7.95	6.69	4.83	5.60	5.27	5.61	5.51	12.02	11.25	4.78
65	13.10	13.56	12.12	13.59	12.46	13.25	12.81	15.04	19.41	12.16
66	8.81	6.70	5.82	7.11	6.16	6.73	6.29	10.33	10.58	5.99
67	16.09	16.66	14.61	17.03	15.31	16.36	15.42	19.38	20.23	14.70
68	14.36	14.30	12.53	14.24	13.06	14.45	13.39	17.42	22.94	12.70
69	15.27	16.34	14.02	16.11	14.53	16.32	15.07	18.97	23.15	14.26
70	11.47	11.68	10.01	12.01	10.52	11.50	10.70	14.12	15.61	10.08
71	10.33	9.53	8.16	9.41	8.59	9.02	8.75	12.51	15.29	8.30
72	7.31	6.10	4.95	5.93	5.59	5.77	5.51	9.71	10.64	5.29
73	9.98	9.71	8.32	9.61	8.85	9.59	8.94	11.92	18.33	8.39
74	13.19	13.16	11.50	13.20	12.06	12.89	12.33	15.10	18.72	11.57
75	7.80	6.50	5.44	6.31	5.65	5.89	5.86	8.52	11.75	5.30
76	14.13	14.08	12.47	14.20	12.96	13.89	13.17	16.01	19.69	12.59
77	11.57	11.67	10.13	11.79	10.51	11.48	10.73	13.43	18.11	10.39
78	14.74	14.88	12.90	15.09	13.56	14.97	13.87	17.46	20.47	12.95
79	15.49	15.96	13.88	15.85	14.38	15.59	14.82	18.91	21.71	13.96
80	10.75	10.02	8.74	9.75	9.19	9.53	9.71	12.86	17.25	8.64
81	15.02	14.29	12.42	14.46	12.92	14.26	13.26	17.93	19.83	12.61
82	8.45	1.04	1.20	0.83	2.39	0.84	2.47	9.42	5.84	1.48
83	7.37	6.45	5.34	6.06	5.89	5.93	5.95	9.27	11.97	5.54
84	9.48	9.23	7.71	8.91	8.38	8.66	8.36	11.47	14.45	7.67
85	9.89	10.19	8.80	10.22	9.38	10.12	9.42	12.36	15.18	9.06
86	14.97	15.08	13.14	15.12	13.64	14.89	14.06	17.00	20.09	13.27
87	8.79	8.51	7.37	8.62	7.75	8.47	7.92	10.69	13.78	7.51
88	14.30	5.59	4.23	3.30	2.99	3.15	4.30	6.63	11.01	2.71
89	15.33	14.99	13.27	14.76	13.70	15.06	14.08	16.76	23.73	13.45
90	6.86	5.38	4.25	4.96	4.57	4.70	4.75	7.67	8.93	4.41
91	10.10	10.28	8.70	10.21	9.25	9.88	9.45	12.98	15.98	8.91
92	14.67	14.98	13.19	15.11	13.92	14.91	14.00	17.08	19.95	13.27
93	13.11	13.02	11.18	13.07	11.79	12.83	12.11	15.02	18.64	11.32
94	9.46	7.87	6.74	7.55	6.79	7.33	7.07	11.96	13.76	6.60
95	12.65	10.84	9.50	11.32	9.84	10.82	10.18	12.63	16.17	9.84
96	9.82	8.92	7.51	8.81	7.99	8.51	8.19	11.34	13.48	7.72
97	11.82	11.56	9.97	11.42	10.65	11.46	10.79	13.85	15.77	10.19
98	8.48	7.66	6.20	7.37	6.62	7.61	6.92	9.70	12.74	6.35
99	13.15	12.60	10.97	12.96	11.51	12.38	11.79	15.72	16.82	11.01
100	7.04	6.58	5.16	6.26	5.49	5.98	5.71	8.69	10.41	5.49

Table 17: MAE error for images 51 to 100 – 256 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
1	25.16	24.63	25.79	24.45	25.42	24.44	25.37	23.72	22.53	25.13
2	30.03	29.81	29.85	28.28	30.36	29.47	30.50	28.33	27.27	29.81
3	32.76	32.53	32.91	31.85	32.99	31.81	33.53	30.75	30.83	32.21
4	30.17	30.03	29.05	29.12	30.56	29.84	30.61	28.90	26.53	29.37
5	30.04	29.64	30.62	28.24	30.47	29.52	30.63	24.95	25.21	29.59
6	27.43	27.86	27.68	27.42	28.36	27.41	28.30	26.92	25.05	28.16
7	27.29	27.17	26.99	26.77	27.61	27.20	27.45	26.43	25.67	27.50
8	31.28	30.72	31.29	29.22	31.80	30.02	31.87	28.51	28.86	31.37
9	22.96	22.32	23.40	22.44	23.11	21.93	22.93	21.96	20.51	22.85
10	28.25	27.83	28.67	27.18	28.19	28.09	28.57	26.62	25.80	27.78
11	28.77	27.95	28.62	27.07	28.63	28.29	29.00	25.93	24.74	27.78
12	27.38	26.97	27.85	26.52	27.70	26.84	27.58	26.01	25.02	27.43
13	24.29	23.89	24.78	23.73	24.47	23.83	24.45	23.14	22.44	24.26
14	28.13	27.57	28.51	27.04	28.18	27.76	28.27	26.46	25.57	27.70
15	20.51	20.65	20.82	19.08	20.83	19.67	20.86	18.53	19.08	20.25
16	31.44	32.07	31.61	31.60	29.68	30.91	33.34	29.83	24.88	31.74
17	27.74	27.55	28.01	26.11	27.73	27.48	28.44	26.47	24.66	27.68
18	29.25	29.02	29.94	28.25	29.63	29.06	29.89	28.49	26.90	29.12
19	29.71	29.61	30.40	29.26	30.41	29.38	30.25	28.41	27.27	28.79
20	28.36	28.34	28.50	27.54	28.88	28.20	28.87	27.47	26.30	27.58
21	27.65	27.00	28.01	26.95	27.99	27.32	27.89	26.28	25.10	26.86
22	33.43	33.91	32.45	32.81	34.37	33.32	34.69	32.72	31.25	33.54
23	33.49	35.16	35.03	33.79	35.61	34.67	35.57	33.18	29.50	33.28
24	28.65	28.26	29.19	27.69	28.99	28.55	28.96	27.54	27.00	28.36
25	28.73	28.04	29.08	27.62	28.23	28.25	28.89	27.31	25.88	28.32
26	25.44	25.05	25.73	24.71	25.66	24.63	25.76	24.20	23.13	25.33
27	30.83	30.43	29.14	29.61	31.44	30.28	31.28	29.46	27.75	30.55
28	25.87	25.30	26.15	25.18	26.11	25.16	26.31	24.64	23.81	25.47
29	26.16	25.52	26.69	25.18	25.39	25.63	26.33	24.60	22.45	26.02
30	27.72	27.11	27.85	26.99	27.92	26.82	27.85	26.18	24.67	26.84
31	25.54	25.22	26.21	24.91	25.96	24.97	25.87	24.40	23.65	25.69
32	25.22	24.42	25.68	24.32	25.29	24.28	25.35	23.75	23.36	25.25
33	26.56	26.04	26.94	26.02	26.82	26.15	26.73	25.12	24.42	25.90
34	27.42	27.01	27.89	27.12	27.52	27.10	27.63	26.10	25.50	27.18
35	25.48	25.02	25.89	24.85	25.66	25.11	25.64	24.25	22.94	25.18
36	25.27	24.72	25.59	24.50	25.45	24.53	25.39	23.88	23.62	25.15
37	25.83	25.55	26.31	25.05	25.86	25.19	26.16	24.08	23.00	25.82
38	30.65	30.40	28.36	28.21	31.26	30.60	31.33	29.43	28.15	30.09
39	30.94	30.83	31.59	30.31	31.82	31.09	31.66	29.28	28.38	30.64
40	26.08	25.59	26.48	25.49	26.23	25.83	26.18	24.89	23.89	26.05
41	25.17	24.65	25.51	24.67	25.57	24.49	25.26	24.05	23.39	25.29
42	25.39	24.91	25.74	24.64	25.46	24.65	25.44	24.05	22.55	25.36
43	26.85	26.63	27.67	25.91	27.42	26.08	27.41	25.39	24.47	27.12
44	26.33	25.86	26.73	25.52	26.67	26.11	26.43	25.39	24.10	26.16
45	30.87	30.59	31.27	29.87	31.35	30.84	31.37	28.89	28.56	30.35
46	25.84	25.21	26.29	25.08	26.02	25.43	25.86	24.26	23.81	25.91
47	28.17	27.81	28.27	27.10	28.56	27.83	28.55	26.92	24.92	27.45
48	27.38	26.59	27.77	25.62	27.67	26.58	27.55	25.58	25.16	26.42
49	21.49	21.40	22.01	21.24	21.80	20.95	21.85	20.95	20.02	21.67
50	24.08	23.70	24.86	23.76	24.38	23.79	24.51	22.43	22.28	24.45

Table 18: PSNR error for images 1 to 50 – 32 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
51	28.56	28.16	29.15	27.56	28.92	27.91	28.92	27.15	26.46	28.44
52	28.45	27.69	28.80	27.59	28.60	27.96	28.73	26.72	25.71	27.58
53	32.29	31.43	32.61	30.94	32.28	31.41	32.59	30.31	29.61	30.59
54	25.25	24.83	25.75	24.56	25.65	24.56	25.52	24.32	22.97	24.82
55	30.70	30.46	30.28	29.61	30.92	30.70	31.25	29.14	28.73	29.65
56	25.84	25.43	26.33	25.38	26.34	25.34	26.27	24.70	23.00	25.70
57	27.97	27.61	28.02	26.84	28.01	27.77	28.44	26.65	25.61	27.27
58	25.10	24.30	25.57	24.29	25.64	24.44	25.33	23.72	23.63	24.91
59	26.96	26.38	27.47	25.88	27.32	26.51	27.06	25.24	24.88	26.90
60	29.03	28.63	29.79	28.12	29.84	28.49	29.52	26.41	26.49	28.11
61	27.27	26.76	27.49	26.24	27.13	26.80	27.47	24.18	24.09	26.83
62	28.73	28.06	29.23	27.36	29.33	28.65	29.04	27.38	25.83	28.61
63	25.89	25.37	26.42	25.03	25.92	25.26	26.15	24.78	23.59	25.90
64	29.75	29.44	29.31	29.31	30.71	29.49	30.38	27.64	26.77	28.55
65	27.33	26.67	27.63	26.42	27.64	27.18	27.47	25.20	25.53	27.06
66	28.98	29.04	29.98	28.81	29.33	29.09	29.74	27.77	26.57	28.87
67	24.88	24.10	25.17	24.04	24.88	24.12	24.82	23.18	22.64	24.79
68	25.51	25.05	25.88	24.35	25.83	24.42	25.83	23.85	22.97	24.79
69	25.24	24.73	25.63	24.58	25.52	24.59	25.43	23.87	22.33	25.03
70	27.28	26.56	27.80	26.11	27.66	26.84	27.49	25.45	24.94	27.25
71	27.99	27.23	28.11	27.06	28.13	27.57	28.14	26.76	24.97	27.42
72	30.84	30.85	31.06	29.63	31.32	30.67	31.57	29.21	28.55	30.15
73	28.30	27.82	28.65	27.35	29.05	27.73	28.76	27.22	25.49	27.43
74	27.09	26.54	27.53	26.42	27.54	26.95	27.28	25.04	24.61	26.83
75	30.34	30.22	30.63	29.15	30.87	30.07	30.93	29.13	27.84	29.97
76	25.59	25.41	26.05	24.95	25.71	25.15	25.88	24.46	23.41	25.57
77	27.35	26.61	27.77	26.77	27.70	26.96	27.50	26.05	24.46	27.32
78	25.48	24.85	25.87	24.97	25.80	24.62	25.71	23.98	23.39	25.30
79	25.31	24.69	25.83	24.76	25.39	24.84	25.55	23.81	22.84	24.85
80	27.26	27.04	27.28	25.93	27.56	26.90	27.62	26.18	25.12	26.54
81	24.87	24.73	25.59	24.30	25.35	24.50	25.30	23.89	23.10	25.15
82	35.48	38.86	34.95	36.68	39.60	38.72	39.15	34.88	34.82	39.06
83	32.07	31.38	32.20	30.98	32.38	32.20	32.46	30.66	28.85	31.10
84	28.71	28.22	29.04	27.51	29.15	28.29	29.02	27.46	26.14	27.71
85	28.52	27.98	29.09	27.32	29.06	28.29	28.74	26.76	26.35	28.20
86	25.84	24.88	26.20	25.06	26.06	25.52	25.89	24.02	23.49	25.54
87	29.92	29.63	30.49	29.52	30.41	29.88	30.44	28.38	28.02	29.67
88	29.71	30.49	28.51	29.63	31.42	30.40	31.08	28.71	25.75	30.13
89	25.27	24.71	25.58	24.52	25.62	24.44	25.47	24.21	22.54	24.94
90	32.33	32.11	31.96	30.92	32.70	32.37	32.95	30.74	30.12	31.13
91	27.83	27.10	28.34	26.84	28.01	27.31	28.20	25.77	24.90	27.09
92	25.16	24.85	25.51	24.80	25.14	24.45	25.45	24.00	23.35	25.14
93	26.12	25.53	26.45	24.88	26.54	25.15	26.32	24.29	24.01	25.76
94	29.62	29.11	28.84	27.89	30.14	29.22	29.87	27.94	26.68	28.53
95	26.43	26.07	27.03	25.39	26.88	25.88	26.77	25.29	24.38	26.37
96	28.78	28.13	29.14	27.19	29.18	28.35	29.07	27.15	25.90	28.96
97	26.72	26.08	27.18	26.10	27.22	26.16	27.10	25.15	24.82	26.18
98	29.22	28.28	28.60	27.18	28.93	27.64	29.49	25.27	26.67	27.69
99	26.89	26.46	27.45	26.17	27.41	26.73	27.24	25.69	25.02	27.11
100	31.73	31.38	32.41	30.71	32.39	31.90	32.25	30.38	28.57	31.91

Table 19: PSNR error for images 51 to 100 – 32 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
1	27.77	27.26	28.35	27.03	28.16	27.18	28.07	25.94	24.33	27.82
2	32.70	32.44	32.64	31.47	33.43	32.59	33.25	31.02	28.99	33.05
3	35.39	35.65	35.88	34.31	36.27	34.98	36.58	33.59	32.77	35.27
4	32.25	32.44	31.71	31.56	32.98	32.13	33.10	30.87	29.18	32.40
5	32.78	32.81	33.55	31.70	33.82	32.40	33.85	27.97	29.75	33.06
6	29.74	30.86	30.90	29.93	31.56	30.39	31.47	29.60	28.19	31.17
7	29.13	29.53	28.90	29.02	29.99	29.47	29.84	28.20	27.27	29.83
8	33.79	33.89	34.11	32.82	34.56	33.60	34.88	31.19	30.81	33.92
9	25.29	24.96	25.76	24.94	25.77	24.39	25.55	24.16	21.61	25.38
10	30.53	30.54	31.18	29.69	31.10	30.54	31.32	28.91	27.72	30.39
11	31.44	30.87	31.02	30.85	31.33	30.85	31.96	28.85	27.14	31.08
12	29.71	29.23	30.19	29.19	30.08	29.31	29.86	28.10	27.69	29.77
13	26.75	26.32	27.31	25.89	26.94	26.23	26.97	25.29	24.45	26.83
14	30.16	29.85	30.74	29.43	30.52	30.04	30.52	28.48	26.70	29.81
15	23.52	23.85	24.05	23.44	23.81	22.76	24.19	22.26	19.86	23.84
16	33.76	35.74	35.71	34.22	36.15	34.99	36.55	33.49	27.69	34.93
17	30.98	30.69	31.39	30.25	31.19	30.53	31.79	28.97	27.62	31.02
18	31.85	31.83	32.65	30.83	32.56	31.89	32.67	30.83	29.64	32.07
19	32.06	31.89	32.82	31.51	32.78	31.95	32.83	30.77	29.03	31.46
20	30.73	30.52	30.64	30.01	31.31	30.60	31.10	29.42	29.07	30.23
21	29.91	29.40	30.34	28.98	30.29	29.62	30.15	28.55	27.44	29.30
22	35.54	36.40	35.11	35.63	37.55	36.66	37.47	35.08	32.62	36.60
23	37.06	39.21	39.50	37.69	39.60	38.56	39.69	36.51	34.69	36.86
24	30.96	30.80	31.75	29.95	31.58	31.07	31.57	29.86	28.60	31.10
25	31.08	30.75	31.71	30.04	31.59	30.81	31.68	29.53	28.45	30.89
26	27.87	27.45	28.42	27.28	28.26	27.22	28.15	26.85	25.20	27.92
27	33.61	33.11	31.45	32.77	34.07	32.85	33.93	31.94	30.02	33.74
28	28.45	27.83	28.97	27.57	28.78	27.54	28.72	26.78	25.33	28.27
29	28.86	28.54	29.58	27.88	28.82	28.59	29.41	27.76	26.69	28.89
30	29.69	29.28	29.95	29.16	30.23	29.09	30.06	28.10	27.21	29.21
31	27.99	27.74	28.76	27.03	28.50	27.38	28.44	26.28	25.49	28.42
32	27.92	26.88	28.47	27.00	28.33	27.06	27.98	26.18	25.96	27.95
33	28.63	28.04	29.03	28.09	29.02	27.96	28.79	27.03	25.76	28.12
34	29.51	29.17	30.22	29.31	30.07	29.42	29.93	28.19	26.97	29.59
35	27.52	27.12	28.03	26.97	27.75	27.14	27.73	26.17	24.75	27.35
36	27.63	27.11	28.17	26.82	27.94	27.04	27.80	25.74	25.74	27.74
37	28.24	27.95	28.82	27.57	28.47	27.69	28.55	26.26	25.26	28.33
38	32.88	33.07	31.08	32.02	33.93	33.30	33.87	31.72	30.72	31.55
39	32.99	33.23	34.01	32.68	34.07	33.38	34.01	30.93	30.74	33.26
40	28.15	27.90	28.87	27.72	28.51	27.92	28.52	26.75	26.59	28.49
41	27.55	27.15	27.85	26.68	27.80	26.90	27.66	26.37	25.28	27.66
42	27.70	27.31	28.28	26.97	28.02	27.02	27.95	26.18	24.90	27.92
43	29.82	29.39	30.61	28.63	30.50	28.98	30.45	27.95	26.77	30.13
44	28.44	28.08	28.94	27.79	28.90	28.10	28.66	27.20	26.05	28.24
45	32.89	33.06	33.48	32.24	33.67	33.17	33.89	31.08	30.03	32.43
46	28.17	27.59	28.88	27.15	28.61	27.93	28.51	26.47	26.33	28.43
47	30.45	30.09	30.62	29.32	30.96	30.15	31.01	29.06	27.33	30.26
48	29.69	29.34	30.44	28.70	30.37	29.51	30.21	28.25	26.99	29.60
49	23.84	23.86	24.50	23.79	24.29	23.37	24.32	23.43	21.12	24.26
50	26.83	26.36	27.44	25.75	26.98	26.25	27.08	25.05	24.67	27.14

Table 20: PSNR error for images 1 to 50 – 64 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
51	30.76	30.69	31.77	30.09	31.43	30.75	31.51	29.22	28.67	31.10
52	30.91	30.20	31.40	29.99	31.22	30.14	31.13	28.84	27.49	30.30
53	34.03	33.62	34.71	33.45	34.79	33.77	34.71	32.38	30.80	33.58
54	27.53	27.11	28.08	26.96	27.95	26.93	27.87	26.18	24.45	27.51
55	33.13	33.07	33.25	32.22	33.74	33.25	33.83	32.07	31.12	32.71
56	28.45	27.96	28.78	27.50	28.94	27.88	28.77	26.85	25.67	28.25
57	30.07	29.95	30.59	29.44	30.59	30.01	30.65	28.87	27.21	29.79
58	27.64	27.06	28.04	26.90	27.97	26.80	27.83	26.07	25.60	27.56
59	29.18	28.76	29.83	28.55	29.66	28.78	29.47	27.37	26.67	29.30
60	31.73	31.25	32.48	30.89	32.43	31.08	32.22	28.25	28.85	31.61
61	29.40	29.17	29.81	28.13	29.85	29.27	29.91	26.06	26.52	29.45
62	30.99	30.80	31.74	30.46	31.76	31.27	31.68	29.87	28.42	31.15
63	28.49	28.21	29.03	27.79	28.69	28.03	28.94	27.07	25.27	28.70
64	32.66	32.36	31.62	31.58	33.48	32.39	33.29	30.47	29.71	32.17
65	29.29	28.73	29.75	28.64	29.57	29.07	29.49	27.68	27.03	28.95
66	32.09	32.57	33.37	31.68	33.10	32.03	33.35	30.56	29.88	32.34
67	27.23	26.54	27.80	26.20	27.41	26.51	27.36	25.17	25.01	27.30
68	27.68	27.29	28.25	27.27	28.17	26.96	27.97	25.95	24.47	27.56
69	27.46	26.68	27.95	26.76	27.82	26.73	27.44	25.60	24.03	27.22
70	29.75	29.09	30.25	28.96	29.86	29.31	29.92	27.87	27.48	29.58
71	30.52	29.84	30.69	29.30	31.08	30.18	30.87	28.96	27.39	30.17
72	33.25	33.66	33.98	32.16	33.84	33.52	34.46	31.73	30.92	33.21
73	30.67	30.25	31.19	29.66	31.29	30.21	31.13	29.21	27.09	30.14
74	29.26	28.87	29.87	28.74	29.77	29.04	29.60	27.34	26.17	29.24
75	32.85	33.03	33.60	31.86	33.97	33.03	33.97	31.63	29.62	32.92
76	28.04	27.71	28.46	27.09	28.12	27.44	28.27	26.87	25.54	28.01
77	29.62	29.07	30.17	29.00	30.01	29.26	29.97	28.23	26.91	29.62
78	27.76	27.19	28.32	26.95	28.19	27.01	28.06	26.09	25.02	27.82
79	27.59	26.96	28.06	26.91	27.85	26.94	27.78	25.91	25.31	27.48
80	29.47	29.34	29.61	28.59	29.98	29.15	29.95	28.11	26.53	29.09
81	27.40	26.98	28.04	26.75	27.80	26.87	27.73	25.95	24.71	27.46
82	36.57	42.48	38.51	40.25	42.02	41.72	41.39	35.97	37.71	42.41
83	34.23	33.80	34.51	33.67	35.01	34.58	34.77	32.37	30.92	33.80
84	31.13	30.63	31.58	30.11	31.53	30.88	31.57	29.59	28.09	30.47
85	30.86	30.41	31.39	30.04	31.45	30.48	31.16	28.93	28.25	30.73
86	27.90	27.27	28.36	27.18	28.29	27.68	28.12	26.21	25.87	27.82
87	32.24	31.99	32.81	31.46	32.75	32.07	32.81	30.50	29.75	32.10
88	31.72	33.86	30.19	33.10	35.17	33.95	35.00	32.29	29.83	34.26
89	27.59	27.10	27.74	26.90	27.96	26.97	27.83	26.32	24.38	27.40
90	34.99	35.22	35.54	34.17	35.95	35.64	36.12	33.65	32.49	34.20
91	30.20	29.66	30.84	29.32	30.81	29.79	30.58	28.12	27.56	30.04
92	27.62	27.13	28.00	26.79	27.55	26.98	27.79	26.32	26.08	27.53
93	28.44	28.03	29.05	27.90	28.81	27.83	28.81	26.82	26.04	28.48
94	31.86	31.57	31.13	30.40	32.56	31.64	32.29	30.26	28.41	31.06
95	29.06	28.67	29.65	28.04	29.45	28.62	29.50	27.75	26.34	29.12
96	31.24	30.92	31.75	30.61	32.09	30.85	31.90	29.77	28.14	31.38
97	29.28	28.91	29.96	28.37	29.75	28.91	29.80	27.62	26.82	29.14
98	31.89	31.01	31.89	30.40	32.30	31.36	32.17	29.11	28.86	30.92
99	29.11	28.81	29.79	28.64	29.64	28.96	29.44	27.59	26.82	29.10
100	34.21	33.98	35.03	33.36	34.85	34.17	34.95	32.74	31.27	34.38

Table 21: PSNR error for images 51 to 100 – 64 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
1	30.10	29.84	30.89	29.63	30.76	29.69	30.65	27.98	26.53	30.54
2	35.62	35.41	35.12	35.13	36.36	35.60	36.42	34.02	31.74	36.33
3	37.19	38.21	38.74	36.79	39.38	38.42	39.18	35.40	34.63	38.47
4	34.11	34.56	33.60	34.32	35.30	34.52	35.21	32.72	31.46	34.56
5	35.23	35.82	36.18	34.75	36.72	35.44	36.76	32.66	32.00	36.40
6	31.50	33.51	33.61	33.10	34.41	33.32	34.29	32.23	30.45	33.84
7	30.84	31.55	30.96	31.11	32.02	31.50	31.96	29.84	29.32	31.98
8	35.87	36.44	37.07	35.65	37.51	36.45	37.52	33.98	33.25	37.10
9	27.72	27.43	28.16	27.16	28.12	26.89	28.00	26.36	24.72	27.96
10	32.77	32.87	33.63	32.13	33.69	33.00	33.61	31.19	29.26	33.32
11	33.81	33.57	34.40	33.26	34.67	33.58	34.49	31.53	29.61	34.18
12	31.85	31.56	32.49	31.38	32.39	31.57	32.17	29.96	28.87	32.30
13	29.03	28.77	29.78	28.42	29.55	28.54	29.47	27.31	27.02	29.51
14	32.16	31.84	32.83	31.65	32.62	31.96	32.62	30.46	29.11	32.34
15	26.57	27.08	27.17	26.21	27.06	26.37	27.58	25.88	25.26	26.74
16	35.32	38.67	38.91	36.10	40.06	38.25	39.80	35.74	33.83	38.52
17	33.17	33.29	34.06	32.84	34.22	33.01	34.30	31.34	29.61	33.80
18	34.32	34.20	35.29	33.80	35.22	34.45	35.08	32.82	31.52	34.83
19	34.44	34.24	35.10	33.88	35.23	34.07	35.17	32.61	30.97	34.84
20	32.88	32.70	32.84	32.11	33.54	32.84	33.36	31.07	30.18	32.99
21	31.92	31.60	32.60	31.32	32.64	31.79	32.34	30.40	29.17	31.88
22	37.10	38.95	37.55	38.29	40.11	39.49	39.97	37.02	34.24	38.98
23	38.81	42.15	42.59	41.41	43.23	42.48	42.88	38.81	36.17	42.07
24	33.27	33.29	34.25	32.52	34.08	33.53	34.08	32.01	30.40	33.62
25	33.53	33.37	34.31	32.84	34.41	33.36	34.33	31.83	30.57	33.87
26	30.12	29.90	30.78	29.80	30.54	29.64	30.62	29.06	26.80	30.43
27	35.99	35.61	34.31	35.27	36.61	35.49	36.47	34.04	31.42	35.98
28	30.50	30.16	31.07	30.05	31.14	29.90	30.93	28.85	27.41	30.87
29	31.35	31.39	32.32	30.51	32.15	31.10	32.22	30.30	28.58	31.98
30	31.77	31.51	32.08	31.07	32.37	31.40	32.25	30.07	28.64	31.92
31	30.52	30.10	31.27	29.73	31.05	29.95	30.87	28.43	28.47	31.06
32	30.13	29.49	30.92	29.33	30.80	29.56	30.50	28.44	28.06	30.54
33	30.48	30.03	30.96	30.03	30.95	29.94	30.71	28.87	26.93	30.59
34	31.60	31.50	32.40	31.40	32.15	31.57	32.16	30.12	28.87	32.16
35	29.53	29.15	30.07	29.09	29.76	29.10	29.76	28.06	27.11	29.68
36	29.99	29.45	30.69	29.25	30.50	29.50	30.27	27.69	28.18	30.45
37	30.49	30.33	31.10	29.83	30.83	30.22	30.99	28.50	27.41	30.84
38	35.10	35.40	34.01	34.58	36.90	35.82	36.60	33.94	32.32	35.19
39	35.05	35.56	36.43	34.99	36.53	35.71	36.44	32.80	32.39	36.08
40	30.33	30.02	31.06	30.09	30.71	30.01	30.70	28.54	28.11	30.74
41	29.71	29.34	30.11	29.32	30.11	29.08	29.90	28.31	27.42	29.96
42	29.99	29.76	30.70	29.64	30.57	29.32	30.40	28.33	26.96	30.56
43	32.30	32.17	33.53	31.40	33.29	31.91	33.20	30.68	29.81	33.20
44	30.32	30.18	31.15	30.02	30.95	30.15	30.77	29.08	27.66	30.83
45	34.85	35.07	35.47	34.56	35.87	35.41	35.93	33.11	31.56	35.06
46	30.50	30.11	31.28	29.91	31.03	30.30	30.96	28.64	28.51	31.02
47	32.89	32.63	33.27	32.18	33.64	32.50	33.51	31.31	28.71	33.16
48	32.09	32.06	32.94	31.33	32.87	32.04	32.89	30.46	29.42	32.40
49	26.19	26.05	26.87	25.74	26.68	25.71	26.55	25.40	24.93	26.62
50	29.16	28.83	29.97	28.56	29.73	28.76	29.62	27.66	26.93	29.76

Table 22: PSNR error for images 1 to 50 – 128 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
51	32.85	33.14	34.20	32.44	33.90	33.14	33.95	31.04	31.04	33.75
52	32.75	32.49	33.45	32.26	33.43	32.40	33.35	31.07	29.28	33.14
53	36.04	35.83	36.79	35.83	37.06	36.25	36.83	33.94	32.82	36.25
54	29.82	29.32	30.38	28.94	30.25	29.32	30.14	28.06	26.95	30.02
55	35.23	35.69	35.54	34.77	36.38	35.64	36.41	34.16	33.06	35.95
56	30.68	30.33	31.14	29.70	31.31	30.35	31.06	28.91	27.00	30.91
57	32.35	32.28	32.73	31.57	33.12	32.28	33.10	30.90	29.22	32.31
58	29.93	29.53	30.47	29.05	30.43	29.31	30.32	28.18	27.14	30.18
59	31.28	31.00	32.10	30.59	31.81	31.05	31.75	29.31	28.75	31.82
60	33.95	33.56	34.67	33.07	34.70	33.66	34.51	30.63	30.61	34.43
61	31.57	31.45	32.06	31.01	32.15	31.48	32.15	28.26	28.79	31.94
62	33.05	33.30	33.93	32.68	34.31	33.38	34.16	32.02	30.17	33.98
63	30.74	30.44	31.41	30.33	31.23	30.40	31.20	29.11	27.71	31.13
64	34.98	34.97	34.60	34.25	36.37	35.15	36.03	32.42	31.82	35.57
65	31.23	30.74	31.66	30.81	31.59	30.96	31.42	29.67	28.53	31.38
66	34.53	35.60	36.46	34.70	36.34	35.24	36.39	32.43	32.70	36.25
67	29.43	28.85	30.10	28.80	29.77	28.89	29.72	27.20	27.25	29.79
68	29.81	29.56	30.47	29.46	30.38	29.30	30.24	28.04	26.52	30.09
69	29.58	28.90	30.13	29.00	30.09	28.63	29.69	27.34	26.44	29.84
70	32.02	31.52	32.58	31.23	32.53	31.65	32.40	29.79	29.57	32.44
71	32.71	32.53	33.10	31.91	33.64	32.71	33.47	30.92	29.65	32.76
72	35.62	36.26	36.96	35.04	37.10	36.14	37.05	33.89	32.55	36.41
73	32.85	32.53	33.17	32.10	33.56	32.51	33.40	31.20	28.72	33.11
74	31.22	30.95	31.89	30.74	31.72	31.01	31.57	29.47	28.42	31.56
75	35.44	35.71	35.99	34.86	36.73	36.05	36.59	34.05	32.07	35.84
76	30.18	30.05	30.81	29.80	30.60	29.92	30.63	28.98	27.85	30.62
77	31.84	31.47	32.51	31.29	32.56	31.54	32.34	30.27	28.42	32.23
78	29.96	29.57	30.62	29.22	30.45	29.31	30.31	28.12	27.19	30.37
79	29.68	29.15	30.22	29.09	29.94	29.12	29.96	27.56	27.11	29.90
80	31.58	31.52	31.63	31.08	32.20	31.30	32.11	30.08	28.26	31.65
81	29.70	29.40	30.39	29.03	30.23	29.25	30.16	27.78	26.59	30.04
82	37.34	45.11	41.06	43.51	45.33	44.68	43.17	36.77	39.05	44.87
83	35.98	35.97	36.53	35.61	36.92	36.58	36.75	34.14	32.31	36.31
84	33.33	32.85	33.71	32.47	33.96	33.19	33.85	31.51	29.73	33.38
85	32.90	32.69	33.71	32.48	33.60	32.68	33.47	30.86	30.06	33.42
86	29.94	29.50	30.63	29.28	30.52	29.64	30.29	28.51	27.57	30.27
87	34.21	34.15	35.04	33.98	35.18	34.17	35.07	32.55	31.20	34.83
88	32.76	36.92	33.11	36.19	38.32	37.07	38.39	34.83	32.76	37.32
89	29.51	29.25	30.07	29.26	30.10	29.15	29.96	28.36	26.57	29.85
90	37.27	38.03	38.32	36.98	38.81	38.33	38.95	36.22	34.20	37.72
91	32.60	32.07	33.16	31.75	33.16	32.21	33.07	30.11	29.22	32.87
92	29.67	29.44	30.33	29.10	30.10	29.24	30.12	28.30	27.68	30.07
93	30.65	30.28	31.36	29.97	31.22	30.18	31.11	29.04	28.40	31.05
94	33.67	33.87	33.25	33.03	34.79	33.78	34.60	32.12	31.13	33.75
95	31.32	31.29	32.35	30.98	32.25	31.14	32.12	30.03	28.92	31.96
96	33.29	33.33	34.16	32.79	34.38	33.49	34.19	31.83	30.23	33.82
97	31.54	31.26	32.24	31.00	32.03	31.16	32.09	29.76	29.01	31.81
98	34.31	33.75	34.43	33.29	35.19	34.10	34.97	31.96	30.82	34.47
99	31.22	31.14	32.04	30.68	31.90	31.13	31.78	29.42	28.89	31.80
100	36.62	36.38	37.62	36.06	37.66	36.65	37.40	35.06	33.23	37.08

Table 23: PSNR error for images 51 to 100 – 128 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
1	32.16	32.16	33.18	31.99	33.08	31.98	32.97	30.00	28.83	32.68
2	37.70	37.88	37.86	37.71	39.20	38.48	38.98	36.28	33.50	38.39
3	39.09	40.32	41.12	39.78	41.98	41.26	41.54	36.57	36.80	40.72
4	36.10	36.75	35.52	36.60	37.50	36.68	37.39	34.33	33.28	36.53
5	37.22	38.30	38.93	37.58	39.25	38.26	39.34	35.65	34.02	38.49
6	32.65	36.14	36.01	35.62	37.03	36.06	36.87	34.68	32.10	36.08
7	32.36	33.50	32.87	33.38	34.08	33.47	33.96	31.22	31.09	33.78
8	37.79	38.57	39.31	38.05	39.72	38.71	39.62	36.11	34.28	39.17
9	30.02	29.77	30.69	29.57	30.59	29.37	30.39	28.63	26.96	30.17
10	34.50	34.98	35.73	34.65	35.92	35.11	35.77	33.19	31.19	35.35
11	36.01	36.16	36.81	35.62	37.04	36.11	36.99	33.89	31.30	36.50
12	33.85	33.79	34.81	33.80	34.59	33.80	34.45	31.81	31.11	34.37
13	31.30	31.02	32.08	30.77	31.83	30.92	31.70	29.27	28.54	31.67
14	34.03	33.89	34.81	33.79	34.65	33.88	34.64	32.10	30.29	34.29
15	31.41	33.88	33.61	31.95	32.69	31.91	34.84	29.40	27.99	31.69
16	36.17	41.30	41.94	39.78	43.10	41.69	42.72	37.18	34.88	40.21
17	35.20	35.81	36.40	35.04	36.56	35.49	36.71	33.26	31.78	35.91
18	36.37	36.55	37.61	36.29	37.60	36.92	37.49	34.55	33.32	37.16
19	36.47	36.40	37.40	36.12	37.43	36.36	37.24	34.73	32.48	36.88
20	34.90	34.83	35.00	34.42	35.60	34.86	35.46	32.64	31.66	35.03
21	33.98	33.85	34.68	33.59	34.78	34.00	34.55	32.35	30.77	33.77
22	38.13	40.94	40.05	40.78	42.47	41.76	42.05	38.56	35.33	40.83
23	39.44	43.69	45.37	44.45	45.79	45.39	44.55	39.54	38.19	44.43
24	35.22	35.61	36.55	35.00	36.46	35.77	36.37	33.95	32.37	35.87
25	35.68	35.90	36.82	35.20	36.83	35.89	36.82	33.85	32.56	36.28
26	32.17	32.24	33.09	32.10	33.05	32.05	32.93	31.15	28.92	32.58
27	38.04	37.97	36.45	37.60	38.96	38.02	38.79	36.12	33.36	37.44
28	32.71	32.41	33.22	32.32	33.34	32.21	33.18	31.01	28.76	32.93
29	33.71	33.97	34.96	33.23	34.89	33.74	34.82	32.57	30.44	34.33
30	33.63	33.64	34.13	33.26	34.44	33.51	34.35	31.90	30.27	33.87
31	32.75	32.58	33.72	32.28	33.44	32.35	33.34	30.46	30.39	33.28
32	32.11	31.79	33.20	31.57	33.03	31.95	32.73	30.45	29.84	32.65
33	32.43	32.02	33.00	31.93	32.96	31.89	32.73	30.69	28.93	32.46
34	33.56	33.58	34.54	33.57	34.32	33.51	34.22	31.66	30.38	34.04
35	31.49	31.20	32.07	30.99	31.88	31.07	31.79	29.80	28.14	31.62
36	32.05	31.88	32.96	31.67	32.74	31.86	32.60	29.47	29.50	32.61
37	32.61	32.55	33.33	32.21	33.37	32.45	33.28	30.61	29.36	32.96
38	37.17	37.99	36.81	37.69	39.52	38.43	39.20	35.67	34.42	37.63
39	36.76	37.82	38.70	37.40	38.89	38.09	38.71	34.88	33.75	38.22
40	32.22	32.14	33.15	32.01	32.95	32.07	32.79	30.06	29.62	32.76
41	31.76	31.58	32.31	31.53	32.32	31.34	32.15	30.08	29.27	32.09
42	32.12	32.13	33.07	31.87	33.01	31.77	32.77	30.35	29.14	32.71
43	34.48	34.76	36.00	34.28	35.80	34.60	35.73	33.18	31.99	35.52
44	32.30	32.31	33.28	32.15	33.08	32.20	32.90	30.78	28.70	32.85
45	36.61	37.20	37.69	36.91	38.08	37.48	38.06	34.99	33.35	37.18
46	32.58	32.39	33.54	32.10	33.41	32.56	33.18	30.65	30.35	33.08
47	34.99	34.97	35.57	34.53	35.92	35.02	35.85	33.42	29.89	35.37
48	34.36	34.43	35.46	33.99	35.45	34.47	35.28	32.64	31.06	34.71
49	28.32	28.31	29.18	28.14	29.03	27.86	28.85	27.32	26.74	28.71
50	31.50	31.22	32.47	31.07	32.31	31.16	32.06	29.86	28.72	32.14

Table 24: PSNR error for images 1 to 50 – 256 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
51	35.04	35.30	36.49	34.86	36.36	35.53	36.16	33.26	32.40	36.12
52	34.92	34.69	35.69	34.46	35.62	34.67	35.50	33.32	30.59	35.09
53	37.79	37.87	38.91	37.86	39.04	38.24	38.85	35.53	33.94	38.00
54	31.79	31.56	32.61	31.49	32.54	31.44	32.29	29.94	28.45	32.09
55	37.09	37.98	37.94	37.43	38.99	38.10	38.80	36.08	34.17	38.15
56	32.84	32.60	33.42	32.28	33.59	32.69	33.39	30.88	29.78	33.08
57	34.56	34.53	34.91	33.69	35.40	34.58	35.36	32.69	31.16	34.54
58	32.03	31.78	32.75	31.37	32.82	31.57	32.58	30.13	29.61	32.22
59	33.26	33.09	34.37	32.90	34.10	33.18	33.92	31.24	30.71	33.93
60	35.99	35.88	36.91	35.56	36.95	35.94	36.79	33.25	32.32	36.44
61	33.62	33.62	34.28	33.11	34.37	33.55	34.26	31.09	30.76	33.98
62	35.51	35.67	36.40	35.13	36.75	35.58	36.51	34.02	32.15	36.19
63	32.58	32.52	33.51	32.50	33.39	32.51	33.26	30.93	29.76	33.05
64	36.87	37.51	37.00	37.26	38.93	37.85	38.68	33.84	33.94	37.79
65	32.99	32.76	33.64	32.78	33.55	32.80	33.35	31.42	29.73	33.18
66	36.69	38.32	39.39	37.65	39.26	38.12	39.08	35.01	34.76	38.82
67	31.53	31.10	32.26	30.93	31.83	31.14	31.86	29.15	29.20	31.80
68	31.88	31.81	32.60	31.53	32.62	31.52	32.44	29.68	28.26	31.98
69	31.53	31.05	32.21	31.02	32.11	30.80	31.81	29.15	28.08	31.72
70	34.08	33.77	34.85	33.42	34.77	33.82	34.66	31.65	31.46	34.49
71	34.73	34.88	35.16	34.29	35.86	35.13	35.72	32.70	31.40	34.92
72	37.64	38.54	39.32	37.86	39.49	38.71	39.42	35.34	34.73	38.35
73	34.85	34.80	35.36	34.33	35.75	34.72	35.63	33.05	29.60	35.03
74	33.02	32.88	33.85	32.73	33.70	32.89	33.54	31.39	29.87	33.46
75	37.43	37.93	38.34	37.61	39.25	38.63	38.93	36.03	33.86	38.47
76	32.25	32.31	33.09	32.14	33.01	32.19	32.90	30.77	29.54	32.73
77	33.85	33.73	34.85	33.59	34.75	33.74	34.55	32.33	30.23	34.32
78	32.01	31.74	32.70	31.61	32.66	31.61	32.47	30.02	29.00	32.39
79	31.54	31.23	32.26	31.09	32.01	31.23	31.95	29.20	28.69	31.86
80	33.60	33.65	33.68	33.27	34.39	33.44	34.21	31.84	30.25	33.68
81	31.76	31.61	32.66	31.42	32.52	31.44	32.37	29.56	28.92	32.16
82	37.78	47.50	43.37	46.61	46.65	47.71	45.31	37.14	39.43	45.69
83	37.62	37.89	38.38	37.82	38.80	38.25	38.62	35.52	33.95	38.21
84	35.26	34.97	35.80	34.72	36.03	35.27	35.88	33.35	31.58	35.37
85	35.03	34.92	35.88	34.88	35.77	34.81	35.63	32.69	31.91	35.49
86	31.84	31.67	32.75	31.56	32.60	31.62	32.37	30.33	29.26	32.23
87	36.28	36.35	37.25	36.25	37.29	36.27	37.20	34.55	32.63	36.74
88	33.48	39.35	36.64	39.80	41.51	40.21	41.18	36.97	34.48	39.80
89	31.40	31.40	32.10	31.31	32.21	31.17	32.05	30.13	28.00	31.75
90	39.09	40.27	40.71	40.11	41.50	40.93	41.30	37.78	36.43	40.53
91	34.65	34.35	35.48	34.16	35.41	34.60	35.23	32.10	31.28	34.75
92	31.87	31.70	32.48	31.31	32.44	31.54	32.31	30.21	29.17	32.11
93	32.71	32.55	33.66	32.29	33.52	32.39	33.36	31.06	29.78	33.10
94	35.52	36.00	35.35	35.17	36.96	36.01	36.79	33.62	32.42	35.68
95	33.29	33.77	34.74	33.20	34.75	33.65	34.54	32.27	30.94	34.24
96	35.30	35.55	36.43	35.26	36.58	35.73	36.39	33.62	32.48	35.76
97	33.61	33.54	34.47	33.34	34.37	33.44	34.30	31.88	31.06	33.97
98	36.31	36.40	37.12	36.19	37.74	36.29	37.53	34.67	32.93	36.48
99	33.14	33.33	34.19	32.91	34.10	33.24	33.96	30.98	30.68	33.86
100	38.56	38.56	39.92	38.62	40.01	39.08	39.81	36.63	35.08	39.11

Table 25: PSNR error for images 51 to 100 – 256 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
1	0.1299	0.1396	0.1220	0.1429	0.1273	0.1430	0.1279	0.1545	0.1758	0.1321
2	0.0720	0.0738	0.0738	0.0871	0.0695	0.0774	0.0683	0.0882	0.0991	0.0737
3	0.0427	0.0438	0.0419	0.0475	0.0416	0.0476	0.0392	0.0528	0.0536	0.0447
4	0.1507	0.1531	0.1722	0.1690	0.1429	0.1552	0.1423	0.1749	0.2291	0.1642
5	0.0759	0.0812	0.0725	0.0944	0.0733	0.0817	0.0720	0.1370	0.1274	0.0807
6	0.0497	0.0499	0.0510	0.0526	0.0470	0.0526	0.0474	0.0555	0.0659	0.0481
7	0.0575	0.0605	0.0615	0.0630	0.0573	0.0599	0.0582	0.0648	0.0691	0.0578
8	0.0579	0.0621	0.0581	0.0733	0.0546	0.0672	0.0542	0.0789	0.0758	0.0573
9	0.1636	0.1765	0.1565	0.1740	0.1616	0.1840	0.1650	0.1853	0.2048	0.1666
10	0.0648	0.0688	0.0623	0.0740	0.0660	0.0668	0.0630	0.0788	0.0835	0.0692
11	0.0773	0.0855	0.0808	0.0957	0.0790	0.0831	0.0761	0.1103	0.1254	0.0895
12	0.1211	0.1287	0.1122	0.1344	0.1159	0.1309	0.1188	0.1429	0.1765	0.1198
13	0.1321	0.1395	0.1245	0.1420	0.1289	0.1384	0.1295	0.1532	0.1632	0.1320
14	0.0884	0.0946	0.0847	0.1007	0.0883	0.0931	0.0869	0.1073	0.1128	0.0933
15	0.1507	0.1502	0.1471	0.1796	0.1468	0.1681	0.1465	0.1897	0.1632	0.1569
16	0.0385	0.0392	0.0413	0.0413	0.0491	0.0450	0.0339	0.0503	0.0820	0.0403
17	0.1143	0.1165	0.1107	0.1375	0.1136	0.1159	0.1057	0.1318	0.1639	0.1148
18	0.0842	0.0867	0.0782	0.0947	0.0793	0.0865	0.0782	0.0911	0.1088	0.0845
19	0.0813	0.0821	0.0753	0.0861	0.0752	0.0846	0.0762	0.0937	0.1084	0.0908
20	0.0863	0.0865	0.0852	0.0951	0.0814	0.0882	0.0814	0.0956	0.1054	0.0946
21	0.1090	0.1167	0.1045	0.1175	0.1045	0.1133	0.1056	0.1263	0.1370	0.1194
22	0.0498	0.0508	0.0614	0.0571	0.0474	0.0545	0.0467	0.0568	0.0696	0.0531
23	0.0408	0.0345	0.0357	0.0408	0.0335	0.0374	0.0330	0.0430	0.0635	0.0440
24	0.0535	0.0563	0.0507	0.0600	0.0518	0.0545	0.0519	0.0603	0.0639	0.0556
25	0.0609	0.0661	0.0585	0.0690	0.0646	0.0644	0.0600	0.0706	0.0795	0.0638
26	0.0934	0.0972	0.0908	0.1017	0.0913	0.1035	0.0901	0.1083	0.1220	0.0947
27	0.0645	0.0684	0.0789	0.0747	0.0601	0.0693	0.0618	0.0755	0.0925	0.0675
28	0.1285	0.1381	0.1255	0.1406	0.1256	0.1398	0.1224	0.1531	0.1714	0.1367
29	0.0803	0.0863	0.0758	0.0900	0.0881	0.0855	0.0788	0.0962	0.1157	0.0815
30	0.1086	0.1162	0.1067	0.1193	0.1058	0.1208	0.1071	0.1319	0.1576	0.1195
31	0.1182	0.1218	0.1094	0.1272	0.1120	0.1261	0.1135	0.1354	0.1439	0.1161
32	0.0998	0.1097	0.0945	0.1106	0.0991	0.1115	0.0984	0.1185	0.1202	0.0991
33	0.1081	0.1151	0.1037	0.1154	0.1049	0.1136	0.1060	0.1279	0.1374	0.1164
34	0.1413	0.1507	0.1351	0.1492	0.1359	0.1483	0.1391	0.1653	0.1806	0.1483
35	0.1220	0.1290	0.1164	0.1310	0.1190	0.1271	0.1200	0.1413	0.1615	0.1264
36	0.1178	0.1257	0.1145	0.1278	0.1162	0.1284	0.1163	0.1397	0.1411	0.1206
37	0.0919	0.0954	0.0878	0.1016	0.0907	0.0998	0.0890	0.1127	0.1274	0.0923
38	0.0439	0.0461	0.0585	0.0595	0.0417	0.0450	0.0413	0.0509	0.0570	0.0477
39	0.0531	0.0541	0.0497	0.0572	0.0483	0.0528	0.0491	0.0632	0.0710	0.0552
40	0.1176	0.1258	0.1129	0.1245	0.1155	0.1207	0.1166	0.1350	0.1571	0.1191
41	0.1240	0.1320	0.1202	0.1326	0.1186	0.1346	0.1228	0.1430	0.1545	0.1227
42	0.0942	0.0988	0.0898	0.1024	0.0924	0.1012	0.0934	0.1114	0.1284	0.0933
43	0.0802	0.0830	0.0732	0.0901	0.0751	0.0883	0.0757	0.0955	0.1050	0.0777
44	0.0972	0.1032	0.0929	0.1066	0.0930	0.0997	0.0964	0.1081	0.1258	0.0987
45	0.0527	0.0563	0.0519	0.0606	0.0513	0.0544	0.0511	0.0675	0.0669	0.0575
46	0.1033	0.1117	0.0983	0.1134	0.1021	0.1085	0.1032	0.1256	0.1305	0.1025
47	0.0991	0.1041	0.0985	0.1097	0.0951	0.1046	0.0959	0.1176	0.1520	0.1096
48	0.0738	0.0809	0.0708	0.0907	0.0709	0.0812	0.0718	0.0899	0.0905	0.0834
49	0.1349	0.1368	0.1275	0.1394	0.1309	0.1440	0.1299	0.1436	0.1491	0.1328
50	0.0988	0.1036	0.0907	0.1029	0.0958	0.1026	0.0946	0.1188	0.1173	0.0950

Table 26: SAM error for images 1 to 50 – 32 colors.

hline image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
51	0.0841	0.0886	0.0785	0.0940	0.0804	0.0904	0.0807	0.0990	0.1072	0.0843
52	0.0914	0.0998	0.0879	0.1011	0.0898	0.0969	0.0885	0.1114	0.1204	0.1012
53	0.0592	0.0641	0.0571	0.0692	0.0592	0.0655	0.0570	0.0738	0.0793	0.0709
54	0.1323	0.1386	0.1251	0.1436	0.1265	0.1436	0.1284	0.1478	0.1674	0.1393
55	0.0544	0.0562	0.0570	0.0614	0.0532	0.0550	0.0510	0.0652	0.0686	0.0604
56	0.0850	0.0892	0.0804	0.0896	0.0803	0.0904	0.0809	0.0969	0.1156	0.0864
57	0.0648	0.0679	0.0647	0.0738	0.0646	0.0666	0.0616	0.0750	0.0813	0.0704
58	0.0923	0.1010	0.0877	0.1013	0.0871	0.1002	0.0897	0.1082	0.1087	0.0946
59	0.1063	0.1130	0.1001	0.1199	0.1021	0.1121	0.1039	0.1271	0.1328	0.1073
60	0.0972	0.1008	0.0894	0.1078	0.0888	0.1040	0.0917	0.1299	0.1287	0.1087
61	0.0775	0.0828	0.0759	0.0877	0.0792	0.0822	0.0761	0.1112	0.1075	0.0818
62	0.0537	0.0578	0.0511	0.0633	0.0504	0.0546	0.0519	0.0622	0.0736	0.0547
63	0.1045	0.1108	0.0970	0.1139	0.1026	0.1107	0.1012	0.1192	0.1387	0.1029
64	0.0368	0.0387	0.0392	0.0392	0.0334	0.0385	0.0346	0.0454	0.0512	0.0428
65	0.1031	0.1112	0.0996	0.1141	0.0993	0.1046	0.1014	0.1296	0.1249	0.1060
66	0.1212	0.1232	0.1090	0.1221	0.1128	0.1155	0.1117	0.1370	0.1809	0.1292
67	0.1132	0.1232	0.1101	0.1247	0.1136	0.1240	0.1139	0.1398	0.1379	0.1151
68	0.1615	0.1712	0.1549	0.1839	0.1547	0.1824	0.1552	0.1966	0.2180	0.1773
69	0.1110	0.1178	0.1061	0.1201	0.1074	0.1197	0.1087	0.1293	0.1507	0.1137
70	0.0903	0.0983	0.0852	0.1039	0.0864	0.0953	0.0882	0.1103	0.1140	0.0908
71	0.0586	0.0647	0.0585	0.0659	0.0583	0.0623	0.0583	0.0678	0.0809	0.0634
72	0.0510	0.0510	0.0499	0.0585	0.0485	0.0522	0.0470	0.0614	0.0642	0.0551
73	0.1170	0.1250	0.1153	0.1342	0.1101	0.1266	0.1124	0.1369	0.1742	0.1350
74	0.0954	0.1023	0.0910	0.1038	0.0908	0.0979	0.0937	0.1220	0.1258	0.0989
75	0.0467	0.0484	0.0464	0.0547	0.0451	0.0494	0.0446	0.0535	0.0622	0.0497
76	0.1378	0.1421	0.1328	0.1503	0.1363	0.1431	0.1343	0.1575	0.1807	0.1400
77	0.1124	0.1215	0.1070	0.1202	0.1073	0.1175	0.1092	0.1301	0.1551	0.1127
78	0.0833	0.0894	0.0800	0.0888	0.0805	0.0924	0.0814	0.0991	0.1047	0.0852
79	0.0962	0.1025	0.0904	0.1022	0.0953	0.1016	0.0932	0.1135	0.1245	0.1013
80	0.1051	0.1089	0.1048	0.1227	0.1024	0.1105	0.1011	0.1206	0.1277	0.1137
81	0.1359	0.1386	0.1253	0.1453	0.1290	0.1423	0.1296	0.1522	0.1597	0.1319
82	0.0306	0.0248	0.0403	0.0327	0.0228	0.0261	0.0242	0.0347	0.0425	0.0254
83	0.0776	0.0847	0.0767	0.0885	0.0749	0.0768	0.0746	0.0909	0.1104	0.0867
84	0.0630	0.0669	0.0611	0.0727	0.0602	0.0666	0.0611	0.0722	0.0823	0.0704
85	0.1072	0.1152	0.1005	0.1244	0.1015	0.1106	0.1058	0.1317	0.1417	0.1105
86	0.1041	0.1148	0.1001	0.1141	0.1014	0.1081	0.1033	0.1276	0.1320	0.1068
87	0.0758	0.0788	0.0708	0.0790	0.0717	0.0763	0.0714	0.0916	0.0949	0.0785
88	0.0304	0.0325	0.0408	0.0360	0.0293	0.0329	0.0302	0.0393	0.0505	0.0339
89	0.1440	0.1551	0.1397	0.1571	0.1394	0.1612	0.1413	0.1677	0.1962	0.1516
90	0.0400	0.0415	0.0421	0.0472	0.0384	0.0402	0.0376	0.0471	0.0505	0.0462
91	0.0882	0.0956	0.0833	0.0990	0.0864	0.0939	0.0846	0.1099	0.1223	0.0954
92	0.1035	0.1079	0.0998	0.1084	0.1041	0.1131	0.1006	0.1189	0.1244	0.1043
93	0.0954	0.1015	0.0920	0.1099	0.0910	0.1070	0.0929	0.1171	0.1197	0.0995
94	0.0406	0.0432	0.0446	0.0497	0.0383	0.0426	0.0395	0.0477	0.0559	0.0462
95	0.0955	0.1003	0.0898	0.1095	0.0920	0.1031	0.0926	0.1118	0.1218	0.0973
96	0.0572	0.0620	0.0552	0.0690	0.0549	0.0604	0.0556	0.0690	0.0772	0.0561
97	0.0917	0.0994	0.0876	0.0991	0.0872	0.0984	0.0883	0.1107	0.1123	0.0982
98	0.0645	0.0713	0.0696	0.0820	0.0669	0.0777	0.0623	0.1001	0.0843	0.0771
99	0.1334	0.1431	0.1290	0.1500	0.1271	0.1390	0.1292	0.1612	0.1849	0.1337
100	0.0505	0.0522	0.0468	0.0569	0.0468	0.0497	0.0474	0.0583	0.0713	0.0495

Table 27: SAM error for images 51 to 100 – 32 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
1	0.0964	0.1023	0.0906	0.1055	0.0927	0.1038	0.0932	0.1200	0.1393	0.0967
2	0.0530	0.0544	0.0535	0.0611	0.0487	0.0537	0.0496	0.0649	0.0811	0.0507
3	0.0316	0.0304	0.0300	0.0357	0.0286	0.0332	0.0274	0.0382	0.0425	0.0317
4	0.1193	0.1166	0.1258	0.1277	0.1065	0.1183	0.1069	0.1418	0.1695	0.1154
5	0.0560	0.0561	0.0519	0.0638	0.0498	0.0588	0.0495	0.0964	0.0796	0.0546
6	0.0361	0.0354	0.0352	0.0393	0.0325	0.0374	0.0328	0.0407	0.0459	0.0341
7	0.0458	0.0459	0.0495	0.0487	0.0436	0.0464	0.0442	0.0527	0.0571	0.0444
8	0.0433	0.0431	0.0419	0.0485	0.0397	0.0445	0.0383	0.0581	0.0603	0.0428
9	0.1249	0.1300	0.1191	0.1311	0.1190	0.1390	0.1215	0.1433	0.1684	0.1245
10	0.0496	0.0502	0.0467	0.0555	0.0471	0.0503	0.0459	0.0604	0.0664	0.0511
11	0.0573	0.0611	0.0603	0.0614	0.0584	0.0611	0.0539	0.0780	0.0956	0.0604
12	0.0908	0.0921	0.0878	0.0985	0.0862	0.0980	0.0873	0.1114	0.1279	0.0925
13	0.0998	0.1040	0.0938	0.1098	0.0973	0.1062	0.0967	0.1187	0.1288	0.0988
14	0.0698	0.0726	0.0658	0.0763	0.0674	0.0711	0.0672	0.0855	0.0984	0.0728
15	0.1066	0.1032	0.1014	0.1085	0.1042	0.1176	0.0993	0.1246	0.1357	0.1038
16	0.0279	0.0257	0.0259	0.0307	0.0246	0.0281	0.0233	0.0327	0.0610	0.0282
17	0.0778	0.0797	0.0750	0.0845	0.0747	0.0821	0.0705	0.0980	0.1136	0.0785
18	0.0628	0.0631	0.0573	0.0693	0.0573	0.0625	0.0569	0.0705	0.0800	0.0603
19	0.0612	0.0627	0.0566	0.0662	0.0567	0.0625	0.0565	0.0721	0.0872	0.0670
20	0.0656	0.0673	0.0666	0.0715	0.0615	0.0667	0.0630	0.0763	0.0784	0.0697
21	0.0839	0.0891	0.0801	0.0932	0.0803	0.0868	0.0815	0.0974	0.1045	0.0898
22	0.0372	0.0374	0.0443	0.0424	0.0336	0.0369	0.0330	0.0438	0.0589	0.0371
23	0.0273	0.0220	0.0214	0.0264	0.0212	0.0237	0.0208	0.0295	0.0378	0.0286
24	0.0411	0.0421	0.0378	0.0462	0.0385	0.0409	0.0384	0.0457	0.0531	0.0406
25	0.0465	0.0483	0.0434	0.0525	0.0439	0.0481	0.0434	0.0547	0.0604	0.0475
26	0.0708	0.0743	0.0667	0.0759	0.0675	0.0765	0.0687	0.0797	0.0937	0.0703
27	0.0472	0.0501	0.0606	0.0521	0.0445	0.0513	0.0454	0.0567	0.0719	0.0467
28	0.0960	0.1014	0.0902	0.1060	0.0917	0.1063	0.0918	0.1156	0.1424	0.0980
29	0.0585	0.0612	0.0543	0.0659	0.0592	0.0609	0.0553	0.0665	0.0737	0.0588
30	0.0866	0.0908	0.0837	0.0924	0.0815	0.0931	0.0831	0.1051	0.1179	0.0921
31	0.0891	0.0919	0.0815	0.0993	0.0840	0.0960	0.0846	0.1089	0.1151	0.0845
32	0.0730	0.0825	0.0686	0.0812	0.0696	0.0809	0.0724	0.0894	0.0888	0.0727
33	0.0851	0.0914	0.0815	0.0906	0.0815	0.0922	0.0836	0.1027	0.1170	0.0904
34	0.1111	0.1180	0.1030	0.1152	0.1018	0.1136	0.1061	0.1322	0.1533	0.1117
35	0.0961	0.1013	0.0906	0.1023	0.0934	0.1006	0.0940	0.1132	0.1298	0.0984
36	0.0898	0.0963	0.0849	0.0987	0.0871	0.0965	0.0887	0.1127	0.1109	0.0893
37	0.0695	0.0723	0.0658	0.0761	0.0678	0.0747	0.0673	0.0884	0.0970	0.0695
38	0.0342	0.0339	0.0427	0.0382	0.0305	0.0329	0.0307	0.0385	0.0433	0.0401
39	0.0417	0.0411	0.0377	0.0439	0.0373	0.0405	0.0375	0.0526	0.0540	0.0409
40	0.0914	0.0956	0.0850	0.0976	0.0883	0.0955	0.0884	0.1089	0.1140	0.0893
41	0.0947	0.0994	0.0914	0.1046	0.0923	0.1025	0.0934	0.1094	0.1213	0.0935
42	0.0721	0.0755	0.0672	0.0786	0.0687	0.0777	0.0700	0.0861	0.0986	0.0703
43	0.0565	0.0601	0.0521	0.0658	0.0527	0.0631	0.0529	0.0709	0.0796	0.0549
44	0.0757	0.0792	0.0720	0.0822	0.0722	0.0794	0.0740	0.0878	0.1003	0.0781
45	0.0419	0.0424	0.0402	0.0461	0.0392	0.0417	0.0383	0.0522	0.0566	0.0452
46	0.0789	0.0854	0.0729	0.0893	0.0751	0.0810	0.0763	0.0976	0.0984	0.0768
47	0.0766	0.0796	0.0758	0.0879	0.0715	0.0802	0.0719	0.0910	0.1144	0.0778
48	0.0566	0.0589	0.0522	0.0635	0.0522	0.0580	0.0532	0.0661	0.0737	0.0574
49	0.1027	0.1028	0.0956	0.1037	0.0979	0.1090	0.0976	0.1082	0.1219	0.0983
50	0.0721	0.0766	0.0673	0.0820	0.0707	0.0772	0.0703	0.0884	0.0870	0.0695

Table 28: SAM error for images 1 to 50 – 64 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
51	0.0648	0.0660	0.0580	0.0703	0.0601	0.0654	0.0596	0.0780	0.0835	0.0626
52	0.0689	0.0745	0.0651	0.0764	0.0663	0.0753	0.0669	0.0873	0.0981	0.0740
53	0.0486	0.0504	0.0450	0.0519	0.0443	0.0501	0.0446	0.0582	0.0685	0.0510
54	0.1017	0.1071	0.0958	0.1088	0.0970	0.1093	0.0980	0.1186	0.1391	0.1021
55	0.0410	0.0417	0.0405	0.0459	0.0382	0.0408	0.0381	0.0464	0.0526	0.0433
56	0.0629	0.0667	0.0607	0.0703	0.0595	0.0673	0.0606	0.0753	0.0845	0.0644
57	0.0507	0.0517	0.0480	0.0548	0.0479	0.0513	0.0475	0.0578	0.0674	0.0527
58	0.0691	0.0738	0.0660	0.0751	0.0666	0.0762	0.0675	0.0825	0.0851	0.0699
59	0.0817	0.0867	0.0758	0.0881	0.0777	0.0859	0.0796	0.0989	0.1096	0.0811
60	0.0712	0.0752	0.0655	0.0787	0.0657	0.0771	0.0673	0.1055	0.0976	0.0724
61	0.0608	0.0625	0.0582	0.0705	0.0578	0.0619	0.0573	0.0892	0.0823	0.0608
62	0.0417	0.0426	0.0383	0.0444	0.0382	0.0404	0.0384	0.0463	0.0552	0.0408
63	0.0764	0.0796	0.0717	0.0830	0.0749	0.0805	0.0729	0.0915	0.1131	0.0749
64	0.0266	0.0277	0.0300	0.0302	0.0242	0.0276	0.0247	0.0314	0.0360	0.0282
65	0.0821	0.0875	0.0779	0.0885	0.0794	0.0842	0.0800	0.0984	0.1041	0.0854
66	0.0827	0.0804	0.0705	0.0874	0.0715	0.0847	0.0700	0.0998	0.1230	0.0822
67	0.0866	0.0929	0.0809	0.0970	0.0845	0.0943	0.0850	0.1109	0.1042	0.0853
68	0.1248	0.1315	0.1172	0.1315	0.1174	0.1361	0.1211	0.1514	0.1778	0.1267
69	0.0859	0.0937	0.0811	0.0931	0.0824	0.0936	0.0859	0.1062	0.1219	0.0882
70	0.0680	0.0737	0.0642	0.0747	0.0672	0.0717	0.0667	0.0842	0.0860	0.0693
71	0.0439	0.0479	0.0435	0.0510	0.0415	0.0461	0.0425	0.0520	0.0619	0.0461
72	0.0385	0.0370	0.0357	0.0439	0.0362	0.0378	0.0336	0.0457	0.0494	0.0387
73	0.0894	0.0948	0.0858	0.1030	0.0841	0.0944	0.0853	0.1078	0.1434	0.0975
74	0.0746	0.0783	0.0697	0.0790	0.0704	0.0767	0.0718	0.0934	0.1047	0.0746
75	0.0352	0.0351	0.0329	0.0403	0.0315	0.0351	0.0314	0.0401	0.0504	0.0354
76	0.1041	0.1083	0.1002	0.1175	0.1045	0.1115	0.1019	0.1207	0.1428	0.1060
77	0.0862	0.0925	0.0808	0.0928	0.0826	0.0902	0.0831	0.1013	0.1169	0.0861
78	0.0640	0.0683	0.0602	0.0706	0.0610	0.0702	0.0620	0.0771	0.0851	0.0636
79	0.0738	0.0790	0.0700	0.0800	0.0717	0.0798	0.0721	0.0890	0.0925	0.0747
80	0.0818	0.0834	0.0808	0.0910	0.0773	0.0851	0.0775	0.0957	0.1041	0.0853
81	0.1015	0.1068	0.0945	0.1096	0.0971	0.1083	0.0978	0.1195	0.1308	0.1011
82	0.0255	0.0164	0.0256	0.0215	0.0172	0.0181	0.0187	0.0287	0.0277	0.0169
83	0.0607	0.0640	0.0589	0.0647	0.0553	0.0587	0.0570	0.0747	0.0892	0.0638
84	0.0480	0.0509	0.0456	0.0540	0.0457	0.0494	0.0455	0.0568	0.0658	0.0516
85	0.0821	0.0861	0.0770	0.0911	0.0764	0.0861	0.0789	0.1015	0.1138	0.0828
86	0.0822	0.0882	0.0778	0.0891	0.0785	0.0845	0.0799	0.0997	0.0999	0.0830
87	0.0578	0.0595	0.0539	0.0632	0.0545	0.0592	0.0538	0.0717	0.0783	0.0587
88	0.0219	0.0220	0.0336	0.0241	0.0189	0.0219	0.0190	0.0256	0.0336	0.0211
89	0.1110	0.1187	0.1097	0.1208	0.1069	0.1197	0.1085	0.1295	0.1530	0.1138
90	0.0296	0.0290	0.0279	0.0325	0.0265	0.0277	0.0259	0.0337	0.0383	0.0325
91	0.0672	0.0713	0.0625	0.0743	0.0626	0.0705	0.0642	0.0842	0.0893	0.0684
92	0.0781	0.0830	0.0750	0.0860	0.0787	0.0843	0.0768	0.0906	0.0918	0.0790
93	0.0727	0.0767	0.0682	0.0775	0.0699	0.0784	0.0699	0.0880	0.0932	0.0727
94	0.0313	0.0325	0.0342	0.0372	0.0289	0.0323	0.0298	0.0359	0.0464	0.0345
95	0.0701	0.0745	0.0669	0.0808	0.0679	0.0749	0.0679	0.0837	0.0968	0.0712
96	0.0430	0.0449	0.0409	0.0466	0.0392	0.0453	0.0401	0.0504	0.0599	0.0426
97	0.0687	0.0718	0.0637	0.0761	0.0651	0.0716	0.0647	0.0829	0.0896	0.0699
98	0.0474	0.0524	0.0475	0.0564	0.0453	0.0506	0.0459	0.0639	0.0652	0.0531
99	0.1058	0.1085	0.0979	0.1122	0.0989	0.1070	0.0998	0.1290	0.1478	0.1062
100	0.0381	0.0386	0.0346	0.0419	0.0351	0.0383	0.0347	0.0446	0.0527	0.0372

Table 29: SAM error for images 51 to 100 – 64 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
1	0.0737	0.0764	0.0677	0.0785	0.0688	0.0777	0.0697	0.0952	0.1084	0.0705
2	0.0377	0.0390	0.0402	0.0401	0.0347	0.0380	0.0346	0.0458	0.0592	0.0348
3	0.0257	0.0228	0.0216	0.0269	0.0198	0.0224	0.0203	0.0309	0.0343	0.0220
4	0.0964	0.0907	0.1012	0.0921	0.0819	0.0910	0.0840	0.1144	0.1308	0.0905
5	0.0422	0.0398	0.0381	0.0446	0.0354	0.0413	0.0354	0.0573	0.0613	0.0372
6	0.0276	0.0261	0.0257	0.0273	0.0235	0.0266	0.0237	0.0299	0.0358	0.0251
7	0.0366	0.0365	0.0390	0.0383	0.0345	0.0367	0.0347	0.0432	0.0455	0.0347
8	0.0339	0.0321	0.0298	0.0351	0.0281	0.0320	0.0281	0.0424	0.0452	0.0297
9	0.0944	0.0981	0.0904	0.1011	0.0905	0.1045	0.0919	0.1112	0.1243	0.0923
10	0.0380	0.0383	0.0352	0.0418	0.0348	0.0379	0.0352	0.0463	0.0559	0.0365
11	0.0431	0.0448	0.0409	0.0466	0.0395	0.0448	0.0402	0.0567	0.0723	0.0422
12	0.0717	0.0739	0.0676	0.0777	0.0662	0.0748	0.0692	0.0902	0.1115	0.0678
13	0.0767	0.0792	0.0706	0.0822	0.0720	0.0810	0.0729	0.0947	0.0971	0.0725
14	0.0555	0.0579	0.0518	0.0591	0.0530	0.0571	0.0527	0.0683	0.0747	0.0545
15	0.0719	0.0711	0.0707	0.0790	0.0715	0.0775	0.0672	0.0819	0.0823	0.0742
16	0.0230	0.0184	0.0179	0.0247	0.0155	0.0193	0.0159	0.0249	0.0315	0.0187
17	0.0602	0.0601	0.0548	0.0628	0.0538	0.0618	0.0533	0.0749	0.0928	0.0568
18	0.0473	0.0479	0.0423	0.0501	0.0425	0.0466	0.0431	0.0559	0.0634	0.0439
19	0.0470	0.0478	0.0435	0.0504	0.0426	0.0489	0.0430	0.0584	0.0706	0.0452
20	0.0512	0.0524	0.0516	0.0562	0.0475	0.0516	0.0485	0.0629	0.0690	0.0507
21	0.0667	0.0692	0.0619	0.0714	0.0614	0.0678	0.0634	0.0791	0.0860	0.0670
22	0.0293	0.0282	0.0332	0.0304	0.0251	0.0267	0.0250	0.0348	0.0515	0.0283
23	0.0220	0.0157	0.0151	0.0172	0.0139	0.0153	0.0144	0.0222	0.0317	0.0160
24	0.0315	0.0317	0.0283	0.0346	0.0288	0.0308	0.0288	0.0353	0.0426	0.0305
25	0.0352	0.0357	0.0322	0.0381	0.0317	0.0359	0.0319	0.0417	0.0474	0.0338
26	0.0545	0.0561	0.0508	0.0568	0.0520	0.0579	0.0516	0.0614	0.0781	0.0528
27	0.0359	0.0375	0.0437	0.0390	0.0333	0.0379	0.0338	0.0437	0.0612	0.0361
28	0.0751	0.0779	0.0703	0.0796	0.0696	0.0812	0.0714	0.0917	0.1120	0.0722
29	0.0438	0.0440	0.0396	0.0488	0.0403	0.0456	0.0400	0.0492	0.0598	0.0411
30	0.0676	0.0701	0.0655	0.0741	0.0634	0.0710	0.0642	0.0829	0.1000	0.0669
31	0.0662	0.0695	0.0611	0.0731	0.0625	0.0714	0.0633	0.0847	0.0836	0.0624
32	0.0564	0.0611	0.0517	0.0621	0.0524	0.0606	0.0542	0.0687	0.0702	0.0540
33	0.0690	0.0727	0.0652	0.0725	0.0651	0.0733	0.0670	0.0832	0.1020	0.0681
34	0.0881	0.0905	0.0807	0.0909	0.0809	0.0878	0.0824	0.1061	0.1253	0.0835
35	0.0760	0.0796	0.0716	0.0802	0.0741	0.0802	0.0741	0.0904	0.0999	0.0749
36	0.0683	0.0732	0.0633	0.0747	0.0646	0.0724	0.0664	0.0902	0.0842	0.0651
37	0.0538	0.0552	0.0507	0.0583	0.0516	0.0558	0.0510	0.0681	0.0768	0.0523
38	0.0266	0.0259	0.0304	0.0285	0.0216	0.0247	0.0223	0.0293	0.0363	0.0263
39	0.0328	0.0315	0.0285	0.0336	0.0281	0.0310	0.0283	0.0427	0.0446	0.0296
40	0.0718	0.0750	0.0661	0.0738	0.0690	0.0752	0.0692	0.0904	0.0961	0.0690
41	0.0734	0.0768	0.0708	0.0771	0.0702	0.0795	0.0718	0.0879	0.0980	0.0718
42	0.0549	0.0571	0.0512	0.0576	0.0512	0.0597	0.0529	0.0672	0.0791	0.0520
43	0.0426	0.0436	0.0372	0.0477	0.0380	0.0450	0.0387	0.0514	0.0564	0.0386
44	0.0608	0.0624	0.0557	0.0636	0.0569	0.0626	0.0581	0.0708	0.0833	0.0578
45	0.0334	0.0336	0.0319	0.0353	0.0303	0.0321	0.0301	0.0412	0.0469	0.0334
46	0.0603	0.0636	0.0552	0.0651	0.0567	0.0619	0.0574	0.0760	0.0766	0.0570
47	0.0576	0.0595	0.0553	0.0632	0.0531	0.0601	0.0540	0.0706	0.0977	0.0563
48	0.0430	0.0433	0.0392	0.0470	0.0392	0.0435	0.0392	0.0509	0.0559	0.0416
49	0.0779	0.0800	0.0727	0.0827	0.0743	0.0831	0.0754	0.0854	0.0860	0.0748
50	0.0550	0.0572	0.0503	0.0591	0.0515	0.0579	0.0522	0.0653	0.0679	0.0514

Table 30: SAM error for images 1 to 50 – 128 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
51	0.0510	0.0497	0.0438	0.0537	0.0452	0.0496	0.0450	0.0632	0.0632	0.0459
52	0.0556	0.0574	0.0513	0.0590	0.0513	0.0579	0.0518	0.0675	0.0799	0.0532
53	0.0386	0.0394	0.0354	0.0395	0.0341	0.0377	0.0349	0.0486	0.0543	0.0377
54	0.0782	0.0829	0.0733	0.0865	0.0743	0.0829	0.0753	0.0957	0.1062	0.0765
55	0.0322	0.0308	0.0312	0.0343	0.0283	0.0310	0.0281	0.0364	0.0418	0.0297
56	0.0484	0.0507	0.0462	0.0546	0.0453	0.0506	0.0465	0.0592	0.0720	0.0474
57	0.0391	0.0396	0.0376	0.0429	0.0358	0.0396	0.0359	0.0454	0.0530	0.0394
58	0.0530	0.0555	0.0500	0.0586	0.0501	0.0571	0.0507	0.0644	0.0710	0.0516
59	0.0643	0.0667	0.0585	0.0694	0.0605	0.0662	0.0608	0.0797	0.0857	0.0606
60	0.0553	0.0578	0.0510	0.0613	0.0505	0.0572	0.0516	0.0808	0.0792	0.0523
61	0.0471	0.0481	0.0448	0.0507	0.0443	0.0479	0.0443	0.0692	0.0643	0.0456
62	0.0327	0.0320	0.0298	0.0344	0.0284	0.0317	0.0288	0.0357	0.0451	0.0295
63	0.0593	0.0613	0.0549	0.0619	0.0558	0.0618	0.0562	0.0713	0.0873	0.0569
64	0.0204	0.0205	0.0214	0.0222	0.0173	0.0201	0.0180	0.0236	0.0288	0.0191
65	0.0655	0.0696	0.0624	0.0688	0.0629	0.0677	0.0642	0.0787	0.0879	0.0646
66	0.0630	0.0563	0.0497	0.0606	0.0495	0.0588	0.0498	0.0813	0.0859	0.0509
67	0.0670	0.0719	0.0621	0.0721	0.0645	0.0717	0.0648	0.0876	0.0813	0.0643
68	0.0972	0.1004	0.0905	0.1018	0.0913	0.1036	0.0928	0.1174	0.1407	0.0949
69	0.0672	0.0725	0.0632	0.0720	0.0634	0.0752	0.0663	0.0868	0.0935	0.0653
70	0.0523	0.0554	0.0490	0.0574	0.0493	0.0547	0.0499	0.0675	0.0677	0.0498
71	0.0342	0.0352	0.0329	0.0377	0.0309	0.0344	0.0315	0.0410	0.0478	0.0343
72	0.0293	0.0275	0.0254	0.0315	0.0248	0.0279	0.0249	0.0352	0.0405	0.0269
73	0.0697	0.0735	0.0678	0.0772	0.0647	0.0731	0.0664	0.0864	0.1181	0.0687
74	0.0593	0.0615	0.0552	0.0628	0.0561	0.0611	0.0571	0.0733	0.0817	0.0574
75	0.0268	0.0259	0.0251	0.0285	0.0229	0.0249	0.0233	0.0305	0.0381	0.0254
76	0.0819	0.0835	0.0767	0.0858	0.0776	0.0847	0.0779	0.0955	0.1099	0.0779
77	0.0666	0.0699	0.0619	0.0713	0.0614	0.0693	0.0629	0.0809	0.0989	0.0638
78	0.0496	0.0521	0.0461	0.0542	0.0470	0.0539	0.0478	0.0610	0.0676	0.0474
79	0.0581	0.0617	0.0546	0.0621	0.0563	0.0620	0.0561	0.0738	0.0750	0.0567
80	0.0641	0.0648	0.0640	0.0681	0.0600	0.0666	0.0605	0.0759	0.0852	0.0638
81	0.0779	0.0809	0.0721	0.0842	0.0733	0.0822	0.0739	0.0969	0.1054	0.0750
82	0.0225	0.0119	0.0193	0.0149	0.0112	0.0127	0.0153	0.0250	0.0228	0.0131
83	0.0498	0.0499	0.0467	0.0520	0.0443	0.0466	0.0453	0.0611	0.0739	0.0480
84	0.0373	0.0394	0.0357	0.0412	0.0346	0.0379	0.0350	0.0456	0.0536	0.0370
85	0.0648	0.0665	0.0592	0.0680	0.0595	0.0663	0.0606	0.0821	0.0917	0.0614
86	0.0649	0.0683	0.0601	0.0699	0.0608	0.0673	0.0623	0.0767	0.0822	0.0626
87	0.0460	0.0466	0.0417	0.0475	0.0408	0.0460	0.0414	0.0561	0.0655	0.0427
88	0.0176	0.0155	0.0241	0.0169	0.0131	0.0153	0.0129	0.0186	0.0241	0.0148
89	0.0885	0.0923	0.0834	0.0918	0.0834	0.0926	0.0843	0.1034	0.1235	0.0858
90	0.0228	0.0210	0.0203	0.0235	0.0189	0.0203	0.0186	0.0248	0.0314	0.0217
91	0.0510	0.0542	0.0479	0.0562	0.0477	0.0534	0.0482	0.0672	0.0740	0.0494
92	0.0615	0.0636	0.0572	0.0659	0.0587	0.0649	0.0586	0.0722	0.0760	0.0590
93	0.0564	0.0592	0.0523	0.0612	0.0530	0.0598	0.0537	0.0682	0.0716	0.0541
94	0.0253	0.0250	0.0268	0.0275	0.0224	0.0252	0.0228	0.0281	0.0332	0.0253
95	0.0539	0.0553	0.0489	0.0575	0.0494	0.0563	0.0502	0.0641	0.0731	0.0511
96	0.0339	0.0341	0.0310	0.0363	0.0301	0.0335	0.0308	0.0395	0.0467	0.0322
97	0.0529	0.0546	0.0488	0.0564	0.0499	0.0554	0.0496	0.0650	0.0699	0.0514
98	0.0359	0.0379	0.0355	0.0404	0.0324	0.0369	0.0331	0.0461	0.0521	0.0354
99	0.0824	0.0825	0.0755	0.0893	0.0759	0.0825	0.0767	0.1044	0.1161	0.0774
100	0.0289	0.0295	0.0258	0.0307	0.0254	0.0288	0.0262	0.0342	0.0416	0.0273

Table 31: SAM error for images 51 to 100 – 128 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
1	0.0581	0.0586	0.0520	0.0596	0.0526	0.0596	0.0533	0.0754	0.0831	0.0552
2	0.0294	0.0293	0.0293	0.0298	0.0249	0.0273	0.0256	0.0350	0.0482	0.0275
3	0.0208	0.0180	0.0164	0.0192	0.0146	0.0162	0.0154	0.0269	0.0268	0.0170
4	0.0762	0.0695	0.0807	0.0711	0.0639	0.0707	0.0646	0.0955	0.1029	0.0724
5	0.0336	0.0299	0.0278	0.0324	0.0264	0.0299	0.0262	0.0406	0.0485	0.0293
6	0.0227	0.0192	0.0195	0.0205	0.0173	0.0194	0.0174	0.0224	0.0288	0.0193
7	0.0298	0.0292	0.0314	0.0295	0.0271	0.0293	0.0275	0.0363	0.0361	0.0282
8	0.0272	0.0251	0.0231	0.0266	0.0217	0.0247	0.0220	0.0331	0.0399	0.0235
9	0.0724	0.0750	0.0674	0.0767	0.0680	0.0784	0.0697	0.0856	0.0972	0.0714
10	0.0309	0.0300	0.0275	0.0313	0.0268	0.0296	0.0273	0.0365	0.0447	0.0288
11	0.0336	0.0330	0.0307	0.0354	0.0299	0.0333	0.0299	0.0421	0.0593	0.0320
12	0.0565	0.0562	0.0515	0.0581	0.0517	0.0572	0.0519	0.0739	0.0855	0.0541
13	0.0593	0.0612	0.0542	0.0630	0.0554	0.0619	0.0565	0.0757	0.0790	0.0568
14	0.0449	0.0457	0.0412	0.0462	0.0418	0.0459	0.0418	0.0565	0.0626	0.0436
15	0.0345	0.0325	0.0335	0.0407	0.0370	0.0409	0.0289	0.0546	0.0559	0.0420
16	0.0204	0.0136	0.0126	0.0162	0.0108	0.0130	0.0111	0.0208	0.0280	0.0153
17	0.0474	0.0448	0.0418	0.0488	0.0407	0.0464	0.0402	0.0602	0.0712	0.0444
18	0.0375	0.0370	0.0325	0.0376	0.0323	0.0352	0.0328	0.0460	0.0518	0.0340
19	0.0370	0.0372	0.0333	0.0388	0.0329	0.0375	0.0337	0.0452	0.0592	0.0356
20	0.0405	0.0409	0.0402	0.0430	0.0374	0.0408	0.0380	0.0524	0.0570	0.0401
21	0.0527	0.0536	0.0487	0.0550	0.0479	0.0526	0.0492	0.0634	0.0709	0.0540
22	0.0245	0.0225	0.0250	0.0231	0.0189	0.0207	0.0196	0.0291	0.0445	0.0234
23	0.0200	0.0133	0.0110	0.0122	0.0102	0.0110	0.0118	0.0203	0.0254	0.0119
24	0.0252	0.0242	0.0218	0.0260	0.0218	0.0238	0.0220	0.0276	0.0337	0.0235
25	0.0275	0.0267	0.0241	0.0291	0.0239	0.0268	0.0239	0.0330	0.0373	0.0256
26	0.0430	0.0430	0.0390	0.0436	0.0390	0.0439	0.0396	0.0482	0.0620	0.0413
27	0.0283	0.0286	0.0341	0.0298	0.0253	0.0283	0.0259	0.0338	0.0488	0.0306
28	0.0584	0.0607	0.0550	0.0616	0.0541	0.0620	0.0553	0.0709	0.0950	0.0568
29	0.0334	0.0327	0.0292	0.0357	0.0293	0.0336	0.0295	0.0374	0.0475	0.0314
30	0.0545	0.0547	0.0516	0.0573	0.0496	0.0554	0.0502	0.0667	0.0816	0.0536
31	0.0514	0.0525	0.0461	0.0543	0.0474	0.0541	0.0480	0.0671	0.0655	0.0486
32	0.0448	0.0468	0.0398	0.0480	0.0404	0.0459	0.0419	0.0545	0.0560	0.0423
33	0.0550	0.0578	0.0515	0.0583	0.0516	0.0586	0.0530	0.0674	0.0802	0.0548
34	0.0706	0.0710	0.0633	0.0705	0.0637	0.0707	0.0651	0.0896	0.1024	0.0676
35	0.0608	0.0628	0.0569	0.0643	0.0579	0.0637	0.0585	0.0739	0.0871	0.0599
36	0.0539	0.0553	0.0487	0.0564	0.0498	0.0552	0.0508	0.0733	0.0705	0.0507
37	0.0421	0.0428	0.0392	0.0446	0.0385	0.0432	0.0392	0.0532	0.0607	0.0409
38	0.0210	0.0192	0.0220	0.0199	0.0159	0.0183	0.0165	0.0235	0.0281	0.0200
39	0.0266	0.0243	0.0220	0.0255	0.0213	0.0236	0.0217	0.0337	0.0379	0.0232
40	0.0574	0.0587	0.0520	0.0596	0.0531	0.0589	0.0542	0.0764	0.0795	0.0545
41	0.0583	0.0596	0.0550	0.0599	0.0548	0.0613	0.0557	0.0715	0.0769	0.0564
42	0.0426	0.0434	0.0389	0.0447	0.0388	0.0450	0.0401	0.0530	0.0595	0.0405
43	0.0333	0.0326	0.0281	0.0342	0.0285	0.0330	0.0289	0.0383	0.0436	0.0296
44	0.0483	0.0487	0.0436	0.0495	0.0445	0.0493	0.0454	0.0584	0.0717	0.0458
45	0.0277	0.0262	0.0247	0.0270	0.0234	0.0253	0.0235	0.0331	0.0385	0.0262
46	0.0474	0.0488	0.0425	0.0505	0.0431	0.0478	0.0444	0.0602	0.0612	0.0451
47	0.0452	0.0454	0.0425	0.0478	0.0407	0.0453	0.0411	0.0547	0.0858	0.0434
48	0.0331	0.0331	0.0294	0.0347	0.0292	0.0329	0.0298	0.0396	0.0462	0.0320
49	0.0608	0.0616	0.0557	0.0627	0.0566	0.0648	0.0578	0.0685	0.0693	0.0587
50	0.0419	0.0435	0.0377	0.0443	0.0382	0.0438	0.0394	0.0503	0.0542	0.0391

Table 32: SAM error for images 1 to 50 – 256 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
51	0.0398	0.0388	0.0337	0.0405	0.0340	0.0375	0.0348	0.0492	0.0537	0.0351
52	0.0433	0.0445	0.0397	0.0457	0.0397	0.0446	0.0403	0.0522	0.0680	0.0426
53	0.0315	0.0312	0.0278	0.0313	0.0270	0.0300	0.0276	0.0407	0.0476	0.0308
54	0.0622	0.0640	0.0567	0.0645	0.0570	0.0649	0.0586	0.0771	0.0881	0.0601
55	0.0259	0.0237	0.0238	0.0252	0.0208	0.0233	0.0213	0.0290	0.0367	0.0233
56	0.0379	0.0390	0.0356	0.0405	0.0348	0.0387	0.0355	0.0469	0.0522	0.0370
57	0.0304	0.0306	0.0292	0.0335	0.0275	0.0303	0.0276	0.0366	0.0423	0.0305
58	0.0417	0.0429	0.0384	0.0450	0.0380	0.0440	0.0391	0.0512	0.0538	0.0408
59	0.0512	0.0523	0.0451	0.0534	0.0463	0.0517	0.0473	0.0642	0.0673	0.0475
60	0.0437	0.0443	0.0393	0.0459	0.0389	0.0439	0.0396	0.0600	0.0653	0.0415
61	0.0374	0.0376	0.0348	0.0398	0.0342	0.0378	0.0347	0.0497	0.0504	0.0360
62	0.0247	0.0244	0.0224	0.0259	0.0214	0.0247	0.0219	0.0279	0.0358	0.0229
63	0.0480	0.0488	0.0432	0.0482	0.0437	0.0486	0.0445	0.0581	0.0683	0.0457
64	0.0163	0.0153	0.0162	0.0157	0.0128	0.0147	0.0132	0.0186	0.0223	0.0148
65	0.0535	0.0549	0.0497	0.0549	0.0500	0.0547	0.0511	0.0642	0.0753	0.0524
66	0.0487	0.0410	0.0354	0.0433	0.0360	0.0421	0.0367	0.0602	0.0675	0.0387
67	0.0527	0.0556	0.0485	0.0564	0.0509	0.0552	0.0507	0.0700	0.0634	0.0509
68	0.0766	0.0773	0.0708	0.0801	0.0702	0.0799	0.0718	0.0965	0.1173	0.0758
69	0.0537	0.0566	0.0497	0.0570	0.0502	0.0585	0.0519	0.0704	0.0761	0.0526
70	0.0413	0.0428	0.0378	0.0446	0.0380	0.0426	0.0385	0.0545	0.0540	0.0393
71	0.0269	0.0268	0.0260	0.0287	0.0238	0.0261	0.0242	0.0328	0.0388	0.0267
72	0.0233	0.0212	0.0194	0.0228	0.0187	0.0208	0.0189	0.0293	0.0316	0.0216
73	0.0555	0.0566	0.0525	0.0597	0.0501	0.0568	0.0509	0.0698	0.1060	0.0549
74	0.0484	0.0494	0.0440	0.0500	0.0447	0.0491	0.0455	0.0588	0.0675	0.0461
75	0.0214	0.0201	0.0192	0.0209	0.0171	0.0186	0.0177	0.0243	0.0308	0.0189
76	0.0644	0.0639	0.0589	0.0654	0.0590	0.0646	0.0596	0.0784	0.0888	0.0613
77	0.0529	0.0540	0.0475	0.0548	0.0477	0.0539	0.0488	0.0639	0.0770	0.0503
78	0.0392	0.0405	0.0363	0.0413	0.0363	0.0412	0.0372	0.0489	0.0542	0.0377
79	0.0468	0.0486	0.0432	0.0494	0.0443	0.0487	0.0447	0.0610	0.0626	0.0452
80	0.0508	0.0508	0.0505	0.0532	0.0466	0.0520	0.0474	0.0616	0.0696	0.0505
81	0.0616	0.0626	0.0555	0.0639	0.0563	0.0639	0.0572	0.0790	0.0824	0.0588
82	0.0213	0.0090	0.0150	0.0102	0.0094	0.0090	0.0110	0.0230	0.0218	0.0118
83	0.0412	0.0400	0.0377	0.0403	0.0356	0.0384	0.0364	0.0522	0.0620	0.0386
84	0.0299	0.0309	0.0281	0.0318	0.0272	0.0299	0.0277	0.0367	0.0422	0.0295
85	0.0509	0.0517	0.0461	0.0521	0.0465	0.0520	0.0473	0.0668	0.0744	0.0484
86	0.0522	0.0533	0.0471	0.0539	0.0478	0.0536	0.0490	0.0622	0.0666	0.0500
87	0.0363	0.0361	0.0323	0.0363	0.0321	0.0362	0.0323	0.0444	0.0551	0.0344
88	0.0150	0.0117	0.0160	0.0111	0.0091	0.0106	0.0092	0.0139	0.0191	0.0112
89	0.0705	0.0716	0.0661	0.0722	0.0652	0.0737	0.0658	0.0840	0.1059	0.0689
90	0.0185	0.0162	0.0154	0.0165	0.0138	0.0150	0.0142	0.0204	0.0244	0.0157
91	0.0403	0.0417	0.0366	0.0426	0.0368	0.0406	0.0375	0.0536	0.0574	0.0399
92	0.0478	0.0489	0.0447	0.0511	0.0448	0.0497	0.0454	0.0578	0.0631	0.0466
93	0.0444	0.0455	0.0401	0.0469	0.0406	0.0464	0.0414	0.0539	0.0607	0.0428
94	0.0205	0.0195	0.0210	0.0215	0.0173	0.0195	0.0177	0.0227	0.0285	0.0203
95	0.0425	0.0414	0.0371	0.0445	0.0370	0.0421	0.0378	0.0494	0.0567	0.0393
96	0.0269	0.0264	0.0239	0.0273	0.0233	0.0259	0.0238	0.0318	0.0360	0.0258
97	0.0416	0.0421	0.0377	0.0431	0.0380	0.0425	0.0384	0.0508	0.0541	0.0400
98	0.0285	0.0281	0.0260	0.0290	0.0240	0.0286	0.0246	0.0338	0.0408	0.0280
99	0.0662	0.0645	0.0591	0.0684	0.0588	0.0652	0.0597	0.0885	0.0937	0.0613
100	0.0232	0.0231	0.0198	0.0230	0.0193	0.0218	0.0198	0.0285	0.0338	0.0217

Table 33: SAM error for images 51 to 100 – 256 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
1	0.8573	0.8310	0.8714	0.8383	0.8635	0.8423	0.8533	0.8165	0.7689	0.8704
2	0.9081	0.8866	0.9052	0.8805	0.9075	0.8729	0.9069	0.8793	0.6730	0.9081
3	0.9255	0.9187	0.9446	0.9225	0.9288	0.9081	0.9299	0.9009	0.8662	0.9420
4	0.7534	0.9015	0.9258	0.9127	0.9096	0.9046	0.9133	0.7299	0.6315	0.9265
5	0.8701	0.8507	0.8891	0.8539	0.8727	0.8662	0.8695	0.7858	0.8075	0.8875
6	0.8626	0.8611	0.8609	0.8544	0.8649	0.8465	0.8662	0.8456	0.8321	0.8720
7	0.9373	0.9359	0.9331	0.9306	0.9406	0.9360	0.9401	0.9285	0.9154	0.9422
8	0.8755	0.8668	0.8913	0.8396	0.8757	0.8522	0.8851	0.8384	0.8248	0.8945
9	0.7960	0.7680	0.8044	0.7792	0.7918	0.7684	0.7855	0.7616	0.6985	0.8095
10	0.9463	0.9370	0.9493	0.9329	0.9445	0.9425	0.9437	0.9271	0.9164	0.9440
11	0.8627	0.8463	0.8895	0.8581	0.8825	0.8594	0.8682	0.8216	0.7755	0.8844
12	0.8323	0.8212	0.8446	0.8083	0.8417	0.8176	0.8405	0.7993	0.7564	0.8328
13	0.8628	0.8463	0.8739	0.8339	0.8637	0.8520	0.8617	0.8134	0.7972	0.8676
14	0.8387	0.8279	0.8699	0.8507	0.8580	0.8381	0.8536	0.8024	0.7465	0.8674
15	0.7553	0.7169	0.7445	0.6761	0.7282	0.6882	0.7453	0.6264	0.6763	0.7369
16	0.9525	0.9516	0.9574	0.9437	0.9514	0.9391	0.9602	0.9259	0.9252	0.9582
17	0.8206	0.8004	0.8390	0.8005	0.8337	0.8046	0.8280	0.7837	0.7427	0.8366
18	0.8950	0.8881	0.9086	0.8686	0.8922	0.8812	0.8988	0.8931	0.8353	0.9204
19	0.8808	0.8692	0.8900	0.8710	0.8868	0.8690	0.8836	0.8546	0.8221	0.8866
20	0.8537	0.8618	0.8854	0.8633	0.8701	0.8640	0.8730	0.8428	0.8441	0.8792
21	0.8980	0.8807	0.9070	0.8885	0.9057	0.8927	0.9016	0.8712	0.8347	0.8984
22	0.9232	0.9384	0.9448	0.9305	0.9367	0.9419	0.9473	0.9266	0.6720	0.9474
23	0.7589	0.9334	0.9381	0.9264	0.9338	0.9302	0.9302	0.7642	0.7961	0.9378
24	0.8749	0.8633	0.8834	0.8557	0.8769	0.8757	0.8764	0.8566	0.8522	0.8726
25	0.8649	0.8550	0.8737	0.8489	0.8514	0.8553	0.8706	0.8350	0.8003	0.8620
26	0.8110	0.8052	0.8325	0.7913	0.8188	0.7958	0.8332	0.7807	0.7046	0.8312
27	0.9292	0.9195	0.9251	0.9317	0.9462	0.9232	0.9281	0.9152	0.6109	0.9325
28	0.8180	0.7842	0.8204	0.7982	0.8076	0.7849	0.8132	0.7718	0.7489	0.8222
29	0.7291	0.6883	0.7236	0.6884	0.6921	0.6904	0.7069	0.6654	0.6624	0.7254
30	0.8666	0.8673	0.8906	0.8703	0.8830	0.8544	0.8838	0.8529	0.8152	0.8909
31	0.6921	0.6598	0.7040	0.6486	0.6915	0.6672	0.6875	0.6518	0.6256	0.6903
32	0.8817	0.8607	0.8920	0.8464	0.8795	0.8620	0.8841	0.8318	0.8309	0.8840
33	0.9474	0.9410	0.9532	0.9427	0.9466	0.9410	0.9493	0.9298	0.9122	0.9480
34	0.8106	0.7973	0.8351	0.7996	0.8164	0.8157	0.8220	0.7993	0.7289	0.8242
35	0.9096	0.8960	0.9190	0.8989	0.9169	0.9051	0.9101	0.8836	0.8471	0.9107
36	0.7804	0.7572	0.7952	0.7588	0.7842	0.7578	0.7782	0.7438	0.7418	0.7918
37	0.8091	0.8104	0.8299	0.7870	0.8276	0.7998	0.8304	0.7763	0.7212	0.8258
38	0.9289	0.9254	0.9255	0.9143	0.9302	0.9242	0.9314	0.9063	0.9095	0.9322
39	0.8769	0.8699	0.8931	0.8704	0.8925	0.8815	0.8817	0.8570	0.8375	0.8989
40	0.8669	0.8507	0.8715	0.8418	0.8642	0.8596	0.8664	0.8414	0.8106	0.8702
41	0.8170	0.7611	0.8209	0.7869	0.7987	0.7700	0.7904	0.7516	0.6944	0.8179
42	0.7623	0.7289	0.7668	0.7404	0.7572	0.7444	0.7535	0.7031	0.6825	0.7684
43	0.8634	0.8474	0.8693	0.8368	0.8664	0.8332	0.8648	0.8181	0.8218	0.8611
44	0.8207	0.7941	0.8290	0.7924	0.8186	0.8149	0.8142	0.7879	0.7803	0.8223
45	0.8969	0.8930	0.9104	0.8866	0.8999	0.8986	0.9047	0.8717	0.8483	0.9121
46	0.7665	0.7412	0.7793	0.7412	0.7697	0.7624	0.7639	0.7137	0.7226	0.7744
47	0.8344	0.8098	0.8354	0.8032	0.8324	0.8084	0.8305	0.8026	0.7549	0.8303
48	0.7961	0.7606	0.8106	0.7522	0.7906	0.7740	0.7918	0.7490	0.6927	0.7971
49	0.8343	0.8282	0.8413	0.8232	0.8348	0.8149	0.8414	0.8138	0.8041	0.8373
50	0.7119	0.6832	0.7104	0.6688	0.7088	0.6860	0.7063	0.6466	0.6573	0.7051

Table 34: SSIM error for images 1 to 50 – 32 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
51	0.8161	0.7915	0.8282	0.7877	0.8164	0.7864	0.8087	0.7800	0.7803	0.8243
52	0.8625	0.8437	0.8655	0.8524	0.8726	0.8447	0.8603	0.8248	0.8001	0.8697
53	0.9323	0.9281	0.9473	0.9241	0.9465	0.9170	0.9379	0.9132	0.8661	0.9446
54	0.7458	0.7335	0.7706	0.7404	0.7623	0.7275	0.7597	0.7171	0.6871	0.7648
55	0.8755	0.8605	0.8735	0.8456	0.8688	0.8661	0.8747	0.8427	0.8344	0.8740
56	0.9806	0.9781	0.9824	0.9787	0.9826	0.9786	0.9819	0.9746	0.9629	0.9794
57	0.8864	0.8801	0.8903	0.8712	0.8812	0.8886	0.8908	0.8677	0.8428	0.8858
58	0.9158	0.8988	0.9216	0.9001	0.9236	0.9024	0.9188	0.8840	0.8832	0.9156
59	0.8683	0.8454	0.8770	0.8382	0.8759	0.8573	0.8657	0.8305	0.8299	0.8722
60	0.9308	0.9214	0.9420	0.9235	0.9367	0.9235	0.9348	0.9064	0.8916	0.9357
61	0.8939	0.8760	0.8985	0.8681	0.8821	0.8841	0.8901	0.8243	0.8403	0.8927
62	0.9481	0.9425	0.9544	0.9371	0.9505	0.9464	0.9480	0.9367	0.9213	0.9505
63	0.8648	0.8438	0.8844	0.8422	0.8716	0.8556	0.8708	0.8445	0.7757	0.8782
64	0.9351	0.9356	0.9406	0.9399	0.9472	0.9358	0.9486	0.9311	0.9030	0.9406
65	0.9363	0.9277	0.9398	0.9236	0.9404	0.9390	0.9384	0.9143	0.9050	0.9351
66	0.8380	0.8397	0.8700	0.8395	0.8541	0.8444	0.8590	0.8170	0.7761	0.8731
67	0.8134	0.7816	0.8175	0.7805	0.8101	0.7937	0.8070	0.7572	0.7523	0.8217
68	0.8214	0.8065	0.8384	0.7993	0.8281	0.8026	0.8262	0.7813	0.7260	0.8356
69	0.9477	0.9379	0.9507	0.9372	0.9490	0.9404	0.9475	0.9284	0.8992	0.9472
70	0.8873	0.8646	0.8951	0.8567	0.8881	0.8685	0.8861	0.8433	0.8382	0.8919
71	0.8780	0.8722	0.8957	0.8745	0.8949	0.8686	0.8861	0.8521	0.8177	0.8938
72	0.8869	0.8911	0.9061	0.8757	0.8822	0.8895	0.9033	0.8519	0.8453	0.8932
73	0.8531	0.8272	0.8720	0.8235	0.8442	0.8231	0.8502	0.8151	0.7580	0.8628
74	0.8631	0.8451	0.8744	0.8568	0.8646	0.8614	0.8644	0.8185	0.7963	0.8779
75	0.9248	0.9171	0.9249	0.9100	0.9213	0.9102	0.9276	0.9086	0.8703	0.9289
76	0.7952	0.7869	0.8137	0.7758	0.8074	0.7885	0.8045	0.7539	0.7298	0.8250
77	0.9198	0.9122	0.9369	0.9139	0.9307	0.9185	0.9275	0.9007	0.8524	0.9328
78	0.8101	0.7816	0.8221	0.7819	0.8093	0.7689	0.8074	0.7489	0.7416	0.8155
79	0.8876	0.8677	0.8953	0.8681	0.8905	0.8774	0.8865	0.8525	0.8179	0.8899
80	0.8008	0.8746	0.9162	0.8855	0.8850	0.8877	0.8925	0.8304	0.7445	0.9124
81	0.8692	0.8561	0.8805	0.8554	0.8798	0.8593	0.8728	0.8417	0.8118	0.8823
82	0.9773	0.9831	0.9747	0.9779	0.9841	0.9795	0.9832	0.9751	0.9722	0.9837
83	0.9377	0.9247	0.9516	0.9250	0.9293	0.9444	0.9440	0.9112	0.8088	0.9539
84	0.9191	0.9125	0.9390	0.9176	0.9162	0.9152	0.9264	0.9027	0.8498	0.9345
85	0.9138	0.8787	0.9174	0.8864	0.9007	0.8934	0.8987	0.8585	0.8333	0.9170
86	0.8879	0.8640	0.8870	0.8707	0.8849	0.8762	0.8826	0.8488	0.8360	0.8890
87	0.8863	0.8827	0.9095	0.8764	0.9032	0.8888	0.9000	0.8616	0.8442	0.9019
88	0.9385	0.9342	0.9191	0.9280	0.9397	0.9276	0.9390	0.9211	0.8921	0.9414
89	0.8551	0.8347	0.8686	0.8471	0.8629	0.8368	0.8573	0.8304	0.7525	0.8684
90	0.9144	0.9127	0.9222	0.9016	0.9215	0.9154	0.9218	0.8988	0.8765	0.9158
91	0.9249	0.9118	0.9313	0.9166	0.9283	0.9136	0.9301	0.8939	0.8516	0.9264
92	0.8677	0.8628	0.8826	0.8531	0.8572	0.8515	0.8769	0.8312	0.8145	0.8767
93	0.8747	0.8585	0.8775	0.8457	0.8725	0.8570	0.8713	0.8320	0.8202	0.8734
94	0.9098	0.8963	0.9346	0.9089	0.9167	0.8967	0.9077	0.8744	0.8160	0.9285
95	0.8594	0.8375	0.8596	0.8209	0.8562	0.8379	0.8567	0.8221	0.8024	0.8626
96	0.9130	0.9065	0.9199	0.8906	0.9183	0.9012	0.9186	0.8749	0.8695	0.9147
97	0.8829	0.8572	0.8964	0.8650	0.8693	0.8623	0.8793	0.8381	0.8302	0.8916
98	0.8615	0.8622	0.8812	0.8550	0.8879	0.8275	0.8832	0.8032	0.8125	0.8821
99	0.7893	0.7904	0.8157	0.7752	0.8088	0.7890	0.8109	0.7593	0.7440	0.8110
100	0.9290	0.9243	0.9430	0.9200	0.9427	0.9335	0.9326	0.9129	0.8805	0.9437

Table 35: SSIM error for images 51 to 100 – 32 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
1	0.9040	0.8925	0.9177	0.8929	0.9069	0.8879	0.9063	0.8690	0.8187	0.9192
2	0.9351	0.9303	0.9364	0.9163	0.9377	0.9294	0.9389	0.9146	0.7016	0.9447
3	0.9471	0.9552	0.9741	0.9564	0.9624	0.9552	0.9604	0.9307	0.8947	0.9723
4	0.7768	0.9317	0.9498	0.9400	0.9317	0.9270	0.9255	0.7613	0.7373	0.9531
5	0.9093	0.9012	0.9292	0.8913	0.9213	0.9066	0.9187	0.8380	0.8400	0.9298
6	0.8893	0.8871	0.8934	0.8782	0.8950	0.8842	0.8990	0.8814	0.8555	0.9025
7	0.9551	0.9582	0.9529	0.9555	0.9614	0.9577	0.9609	0.9505	0.9364	0.9623
8	0.9149	0.9050	0.9277	0.8959	0.9168	0.9076	0.9188	0.8825	0.8464	0.9236
9	0.8497	0.8508	0.8666	0.8407	0.8573	0.8313	0.8632	0.8223	0.7509	0.8704
10	0.9642	0.9630	0.9685	0.9550	0.9655	0.9623	0.9677	0.9520	0.9398	0.9644
11	0.9134	0.9065	0.9278	0.9080	0.9207	0.9021	0.9215	0.8846	0.8450	0.9238
12	0.8891	0.8769	0.8894	0.8634	0.8858	0.8725	0.8934	0.8568	0.8003	0.8825
13	0.9087	0.8961	0.9159	0.8860	0.9118	0.9002	0.9093	0.8817	0.8461	0.9142
14	0.8811	0.8770	0.9094	0.8841	0.8912	0.8929	0.8949	0.8548	0.7676	0.9002
15	0.8131	0.7920	0.8215	0.8065	0.8106	0.7651	0.8171	0.7172	0.7236	0.8068
16	0.9667	0.9723	0.9727	0.9601	0.9685	0.9611	0.9740	0.9567	0.9388	0.9686
17	0.8782	0.8703	0.9015	0.8631	0.8881	0.8706	0.8942	0.8458	0.7804	0.8908
18	0.9285	0.9314	0.9494	0.9266	0.9306	0.9357	0.9440	0.9171	0.8721	0.9499
19	0.9183	0.9061	0.9258	0.9082	0.9254	0.9123	0.9210	0.8911	0.8455	0.9210
20	0.8983	0.8937	0.9163	0.8953	0.9088	0.8981	0.9064	0.8668	0.8689	0.9132
21	0.9308	0.9240	0.9405	0.9230	0.9382	0.9288	0.9350	0.9105	0.8883	0.9319
22	0.9596	0.9636	0.9662	0.9630	0.9654	0.9666	0.9702	0.9427	0.6915	0.9706
23	0.7937	0.9670	0.9737	0.9619	0.9658	0.9655	0.9607	0.7998	0.8506	0.9659
24	0.9083	0.9068	0.9256	0.8939	0.9159	0.9069	0.9164	0.8971	0.8668	0.9143
25	0.8982	0.8881	0.9115	0.8866	0.9014	0.8937	0.9040	0.8728	0.8513	0.9023
26	0.8616	0.8627	0.8912	0.8555	0.8753	0.8665	0.8815	0.8585	0.7641	0.8821
27	0.9507	0.9598	0.9487	0.9538	0.9660	0.9601	0.9664	0.9499	0.6244	0.9650
28	0.8636	0.8445	0.8746	0.8486	0.8710	0.8374	0.8648	0.8281	0.7798	0.8703
29	0.7911	0.7658	0.7983	0.7516	0.7672	0.7710	0.7907	0.7550	0.7044	0.8031
30	0.9056	0.9011	0.9217	0.9040	0.9193	0.8981	0.9150	0.8807	0.8624	0.9175
31	0.7757	0.7336	0.7892	0.7344	0.7726	0.7375	0.7666	0.7328	0.6813	0.7816
32	0.9294	0.9088	0.9372	0.9136	0.9377	0.9182	0.9303	0.9031	0.8929	0.9336
33	0.9653	0.9590	0.9688	0.9613	0.9672	0.9579	0.9652	0.9511	0.9297	0.9662
34	0.8559	0.8674	0.8946	0.8722	0.8869	0.8772	0.8871	0.8565	0.7617	0.8911
35	0.9357	0.9296	0.9439	0.9305	0.9408	0.9332	0.9394	0.9159	0.8896	0.9396
36	0.8392	0.8136	0.8511	0.8154	0.8431	0.8214	0.8355	0.7958	0.7872	0.8514
37	0.8486	0.8668	0.8884	0.8616	0.8756	0.8540	0.8821	0.8276	0.7777	0.8841
38	0.9353	0.9445	0.9474	0.9442	0.9521	0.9465	0.9515	0.9221	0.9215	0.9483
39	0.9157	0.9119	0.9290	0.9122	0.9273	0.9221	0.9239	0.8864	0.8643	0.9345
40	0.9023	0.8945	0.9145	0.8912	0.9051	0.8965	0.9070	0.8830	0.8624	0.9122
41	0.8678	0.8387	0.8795	0.8504	0.8601	0.8495	0.8585	0.8340	0.7310	0.8749
42	0.8187	0.8019	0.8385	0.8015	0.8293	0.8009	0.8270	0.7933	0.7412	0.8305
43	0.8964	0.8808	0.9065	0.8692	0.9006	0.8737	0.9009	0.8524	0.8576	0.9023
44	0.8625	0.8461	0.8682	0.8436	0.8640	0.8493	0.8614	0.8289	0.8122	0.8637
45	0.9257	0.9222	0.9348	0.9174	0.9330	0.9278	0.9319	0.8940	0.8650	0.9317
46	0.8276	0.8073	0.8452	0.7981	0.8353	0.8172	0.8325	0.7804	0.7765	0.8399
47	0.8693	0.8507	0.8791	0.8490	0.8776	0.8481	0.8688	0.8371	0.7874	0.8774
48	0.8576	0.8331	0.8730	0.8340	0.8484	0.8369	0.8568	0.8245	0.7197	0.8574
49	0.8816	0.8810	0.8917	0.8764	0.8877	0.8687	0.8892	0.8742	0.8446	0.8886
50	0.7700	0.7364	0.7846	0.7354	0.7714	0.7451	0.7680	0.7210	0.7065	0.7716

Table 36: SSIM error for images 1 to 50 – 64 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
51	0.8589	0.8458	0.8750	0.8398	0.8679	0.8537	0.8684	0.8226	0.8074	0.8745
52	0.8965	0.8779	0.9105	0.8869	0.9058	0.8793	0.8958	0.8567	0.8239	0.9077
53	0.9439	0.9444	0.9631	0.9511	0.9603	0.9438	0.9558	0.9304	0.8803	0.9628
54	0.8028	0.7858	0.8276	0.7902	0.8132	0.7858	0.8139	0.7664	0.7377	0.8238
55	0.9092	0.9009	0.9136	0.8945	0.9132	0.9071	0.9117	0.8888	0.8734	0.9114
56	0.9888	0.9873	0.9897	0.9860	0.9899	0.9871	0.9896	0.9837	0.9801	0.9883
57	0.9155	0.9124	0.9270	0.9100	0.9197	0.9091	0.9208	0.8990	0.8639	0.9206
58	0.9455	0.9384	0.9496	0.9375	0.9474	0.9327	0.9469	0.9212	0.9128	0.9457
59	0.9070	0.8963	0.9180	0.8915	0.9192	0.8999	0.9103	0.8759	0.8670	0.9132
60	0.9544	0.9499	0.9639	0.9529	0.9626	0.9482	0.9601	0.9263	0.9220	0.9607
61	0.9258	0.9212	0.9357	0.9099	0.9301	0.9275	0.9328	0.8780	0.8804	0.9338
62	0.9629	0.9617	0.9729	0.9604	0.9703	0.9626	0.9665	0.9566	0.9371	0.9695
63	0.9115	0.9114	0.9300	0.9043	0.9223	0.9077	0.9262	0.8934	0.8221	0.9287
64	0.9567	0.9579	0.9643	0.9588	0.9680	0.9613	0.9665	0.9507	0.9374	0.9657
65	0.9568	0.9512	0.9612	0.9494	0.9583	0.9554	0.9587	0.9422	0.9256	0.9568
66	0.8887	0.9048	0.9250	0.8998	0.9167	0.9021	0.9197	0.8850	0.8633	0.9210
67	0.8767	0.8487	0.8849	0.8419	0.8754	0.8584	0.8711	0.8182	0.8217	0.8783
68	0.8658	0.8599	0.8825	0.8598	0.8752	0.8500	0.8770	0.8323	0.7791	0.8850
69	0.9649	0.9575	0.9683	0.9585	0.9667	0.9593	0.9644	0.9496	0.9263	0.9642
70	0.9239	0.9084	0.9368	0.9118	0.9250	0.9146	0.9232	0.8895	0.8826	0.9320
71	0.9204	0.9051	0.9399	0.9102	0.9272	0.9099	0.9165	0.8919	0.8568	0.9346
72	0.9240	0.9300	0.9429	0.9150	0.9178	0.9297	0.9385	0.9036	0.8807	0.9383
73	0.8874	0.8758	0.9104	0.8799	0.8907	0.8714	0.8961	0.8552	0.7819	0.8995
74	0.8991	0.8882	0.9149	0.8882	0.9114	0.9011	0.9033	0.8652	0.8205	0.9141
75	0.9419	0.9422	0.9554	0.9372	0.9510	0.9417	0.9517	0.9317	0.8945	0.9528
76	0.8572	0.8488	0.8721	0.8296	0.8640	0.8515	0.8642	0.8314	0.7800	0.8752
77	0.9410	0.9443	0.9593	0.9427	0.9565	0.9465	0.9558	0.9334	0.8985	0.9556
78	0.8471	0.8294	0.8688	0.8312	0.8610	0.8223	0.8523	0.8100	0.7884	0.8682
79	0.9231	0.9114	0.9303	0.9114	0.9283	0.9127	0.9252	0.9004	0.8780	0.9275
80	0.8584	0.9227	0.9511	0.9341	0.9262	0.9245	0.9336	0.8477	0.7854	0.9468
81	0.9079	0.9040	0.9265	0.9018	0.9242	0.9003	0.9167	0.8912	0.8525	0.9204
82	0.9818	0.9891	0.9838	0.9863	0.9874	0.9867	0.9879	0.9793	0.9787	0.9909
83	0.9516	0.9504	0.9736	0.9653	0.9559	0.9603	0.9624	0.9346	0.8413	0.9714
84	0.9454	0.9409	0.9617	0.9484	0.9455	0.9417	0.9524	0.9309	0.8799	0.9576
85	0.9372	0.9251	0.9467	0.9261	0.9390	0.9345	0.9391	0.9153	0.8641	0.9431
86	0.9137	0.9035	0.9250	0.9046	0.9212	0.9129	0.9177	0.8863	0.8792	0.9237
87	0.9155	0.9178	0.9337	0.9136	0.9279	0.9161	0.9308	0.8960	0.8798	0.9297
88	0.9587	0.9573	0.9387	0.9543	0.9626	0.9556	0.9627	0.9503	0.9315	0.9640
89	0.8987	0.8861	0.9125	0.8975	0.9059	0.8937	0.9019	0.8709	0.8251	0.9105
90	0.9406	0.9396	0.9562	0.9396	0.9509	0.9463	0.9488	0.9295	0.9094	0.9480
91	0.9442	0.9411	0.9572	0.9401	0.9544	0.9429	0.9491	0.9272	0.9054	0.9558
92	0.9117	0.9003	0.9222	0.9012	0.9088	0.9019	0.9124	0.8915	0.8702	0.9193
93	0.9076	0.9007	0.9181	0.9021	0.9102	0.8952	0.9133	0.8814	0.8621	0.9151
94	0.9365	0.9323	0.9565	0.9419	0.9531	0.9425	0.9422	0.9226	0.8475	0.9559
95	0.9040	0.8850	0.9064	0.8740	0.9054	0.8878	0.9006	0.8665	0.8392	0.9019
96	0.9380	0.9338	0.9454	0.9286	0.9428	0.9280	0.9437	0.9133	0.8922	0.9439
97	0.9170	0.9107	0.9349	0.9093	0.9220	0.9178	0.9237	0.8883	0.8539	0.9290
98	0.9072	0.9011	0.9246	0.9014	0.9262	0.9028	0.9148	0.8702	0.8422	0.9226
99	0.8215	0.8421	0.8616	0.8352	0.8549	0.8431	0.8556	0.7995	0.7757	0.8543
100	0.9561	0.9522	0.9644	0.9449	0.9643	0.9550	0.9590	0.9435	0.9139	0.9640

Table 37: SSIM error for images 51 to 100 – 64 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
1	0.9312	0.9316	0.9505	0.9304	0.9442	0.9291	0.9428	0.9105	0.8595	0.9445
2	0.9601	0.9562	0.9576	0.9549	0.9615	0.9583	0.9631	0.9471	0.7683	0.9666
3	0.9547	0.9737	0.9847	0.9735	0.9818	0.9764	0.9809	0.9407	0.9201	0.9843
4	0.7950	0.9488	0.9645	0.9591	0.9494	0.9531	0.9475	0.7805	0.7850	0.9642
5	0.9321	0.9397	0.9565	0.9338	0.9513	0.9390	0.9500	0.9037	0.8721	0.9579
6	0.9139	0.9167	0.9233	0.9133	0.9240	0.9142	0.9275	0.9039	0.8783	0.9272
7	0.9686	0.9711	0.9687	0.9686	0.9744	0.9714	0.9743	0.9638	0.9524	0.9747
8	0.9352	0.9329	0.9509	0.9363	0.9449	0.9391	0.9483	0.9082	0.8736	0.9531
9	0.9048	0.8933	0.9127	0.8879	0.9033	0.8858	0.9064	0.8765	0.8117	0.9121
10	0.9757	0.9747	0.9807	0.9730	0.9794	0.9765	0.9786	0.9675	0.9547	0.9801
11	0.9446	0.9403	0.9530	0.9379	0.9497	0.9379	0.9500	0.9212	0.8657	0.9491
12	0.9238	0.9107	0.9276	0.9034	0.9231	0.9147	0.9233	0.8934	0.8252	0.9214
13	0.9409	0.9340	0.9484	0.9306	0.9458	0.9350	0.9442	0.9199	0.8923	0.9474
14	0.9222	0.9127	0.9371	0.9150	0.9243	0.9205	0.9258	0.8905	0.8186	0.9304
15	0.8681	0.8596	0.8759	0.8465	0.8587	0.8316	0.8842	0.8157	0.7948	0.8581
16	0.9739	0.9803	0.9829	0.9752	0.9828	0.9779	0.9821	0.9677	0.9519	0.9808
17	0.9089	0.9142	0.9367	0.9192	0.9245	0.9112	0.9312	0.8880	0.8104	0.9312
18	0.9492	0.9541	0.9679	0.9565	0.9589	0.9585	0.9608	0.9382	0.9011	0.9674
19	0.9397	0.9380	0.9536	0.9394	0.9515	0.9351	0.9485	0.9157	0.8704	0.9505
20	0.9214	0.9204	0.9407	0.9252	0.9327	0.9266	0.9315	0.8911	0.8791	0.9374
21	0.9526	0.9495	0.9627	0.9494	0.9607	0.9535	0.9572	0.9370	0.9104	0.9586
22	0.9696	0.9752	0.9790	0.9793	0.9762	0.9821	0.9797	0.9540	0.7110	0.9812
23	0.8048	0.9784	0.9844	0.9810	0.9792	0.9815	0.9728	0.8083	0.8765	0.9811
24	0.9357	0.9342	0.9500	0.9286	0.9439	0.9369	0.9417	0.9236	0.8923	0.9415
25	0.9273	0.9288	0.9430	0.9243	0.9375	0.9263	0.9404	0.9098	0.8767	0.9408
26	0.8950	0.9090	0.9264	0.9062	0.9121	0.9106	0.9253	0.9046	0.8069	0.9144
27	0.9649	0.9735	0.9700	0.9727	0.9767	0.9751	0.9777	0.9642	0.6355	0.9746
28	0.8959	0.8894	0.9140	0.8895	0.9107	0.8817	0.9045	0.8688	0.8229	0.9119
29	0.8377	0.8304	0.8578	0.8124	0.8430	0.8258	0.8543	0.8192	0.7288	0.8495
30	0.9293	0.9282	0.9454	0.9321	0.9423	0.9276	0.9383	0.9051	0.8809	0.9447
31	0.8461	0.8165	0.8572	0.8156	0.8445	0.8199	0.8470	0.7922	0.7413	0.8440
32	0.9559	0.9495	0.9649	0.9465	0.9643	0.9521	0.9597	0.9375	0.9277	0.9633
33	0.9750	0.9724	0.9798	0.9731	0.9783	0.9720	0.9766	0.9655	0.9416	0.9780
34	0.8968	0.9116	0.9300	0.9116	0.9225	0.9172	0.9248	0.8979	0.8096	0.9246
35	0.9570	0.9533	0.9625	0.9532	0.9592	0.9543	0.9591	0.9422	0.9221	0.9602
36	0.8856	0.8685	0.8976	0.8670	0.8917	0.8721	0.8874	0.8457	0.8426	0.8950
37	0.8778	0.9049	0.9278	0.9021	0.9133	0.9019	0.9185	0.8765	0.8154	0.9189
38	0.9465	0.9567	0.9639	0.9604	0.9683	0.9626	0.9648	0.9395	0.9333	0.9664
39	0.9385	0.9414	0.9583	0.9433	0.9518	0.9438	0.9509	0.9151	0.8919	0.9562
40	0.9296	0.9269	0.9419	0.9266	0.9358	0.9266	0.9364	0.9119	0.8883	0.9381
41	0.9106	0.8963	0.9168	0.8948	0.8992	0.8891	0.9076	0.8804	0.7767	0.9100
42	0.8694	0.8624	0.8915	0.8643	0.8823	0.8535	0.8827	0.8469	0.7843	0.8839
43	0.9194	0.9122	0.9340	0.9115	0.9288	0.9096	0.9267	0.8895	0.8871	0.9326
44	0.8949	0.8871	0.9068	0.8860	0.8986	0.8881	0.8983	0.8703	0.8364	0.9039
45	0.9381	0.9426	0.9517	0.9423	0.9511	0.9465	0.9510	0.9181	0.8821	0.9514
46	0.8786	0.8628	0.8942	0.8557	0.8861	0.8712	0.8820	0.8352	0.8313	0.8897
47	0.8991	0.8897	0.9200	0.8878	0.9117	0.8895	0.9059	0.8757	0.8111	0.9127
48	0.8971	0.8864	0.9130	0.8863	0.8929	0.8935	0.9056	0.8675	0.7639	0.8962
49	0.9188	0.9148	0.9264	0.9107	0.9227	0.9076	0.9216	0.9089	0.9041	0.9224
50	0.8337	0.8035	0.8426	0.8003	0.8315	0.8095	0.8304	0.7799	0.7499	0.8318

Table 38: SSIM error for images 1 to 50 – 128 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
51	0.8928	0.8903	0.9145	0.8862	0.9075	0.8946	0.9076	0.8637	0.8440	0.9124
52	0.9190	0.9116	0.9377	0.9141	0.9320	0.9139	0.9245	0.8941	0.8527	0.9336
53	0.9538	0.9613	0.9759	0.9655	0.9727	0.9662	0.9691	0.9432	0.9130	0.9734
54	0.8529	0.8328	0.8734	0.8380	0.8660	0.8399	0.8583	0.8108	0.7685	0.8638
55	0.9299	0.9289	0.9387	0.9241	0.9393	0.9321	0.9384	0.9155	0.8960	0.9431
56	0.9931	0.9923	0.9938	0.9915	0.9939	0.9925	0.9935	0.9896	0.9851	0.9935
57	0.9388	0.9404	0.9542	0.9372	0.9469	0.9398	0.9480	0.9232	0.8913	0.9476
58	0.9629	0.9596	0.9686	0.9585	0.9666	0.9572	0.9658	0.9462	0.9304	0.9664
59	0.9346	0.9275	0.9452	0.9232	0.9436	0.9329	0.9399	0.9138	0.8946	0.9433
60	0.9731	0.9686	0.9779	0.9671	0.9758	0.9695	0.9749	0.9494	0.9355	0.9760
61	0.9493	0.9489	0.9586	0.9442	0.9534	0.9518	0.9557	0.9115	0.9033	0.9590
62	0.9735	0.9750	0.9826	0.9737	0.9817	0.9764	0.9789	0.9724	0.9515	0.9813
63	0.9409	0.9403	0.9559	0.9409	0.9517	0.9417	0.9499	0.9272	0.8820	0.9539
64	0.9651	0.9726	0.9782	0.9737	0.9802	0.9761	0.9791	0.9601	0.9512	0.9807
65	0.9703	0.9671	0.9735	0.9689	0.9720	0.9698	0.9718	0.9619	0.9431	0.9717
66	0.9286	0.9432	0.9576	0.9400	0.9520	0.9392	0.9533	0.9087	0.8979	0.9543
67	0.9145	0.8990	0.9257	0.9021	0.9214	0.9054	0.9174	0.8753	0.8726	0.9223
68	0.9023	0.8988	0.9219	0.8984	0.9153	0.8969	0.9114	0.8828	0.8035	0.9207
69	0.9769	0.9724	0.9796	0.9733	0.9793	0.9713	0.9771	0.9645	0.9532	0.9785
70	0.9504	0.9432	0.9577	0.9414	0.9549	0.9438	0.9538	0.9266	0.9138	0.9572
71	0.9391	0.9406	0.9638	0.9458	0.9573	0.9454	0.9513	0.9246	0.8845	0.9595
72	0.9470	0.9547	0.9663	0.9485	0.9607	0.9538	0.9627	0.9312	0.8965	0.9629
73	0.9154	0.9130	0.9363	0.9143	0.9262	0.9127	0.9278	0.8896	0.8168	0.9330
74	0.9279	0.9212	0.9418	0.9232	0.9352	0.9274	0.9331	0.9008	0.8623	0.9384
75	0.9610	0.9627	0.9720	0.9631	0.9704	0.9666	0.9691	0.9512	0.9258	0.9718
76	0.8930	0.8972	0.9158	0.8923	0.9066	0.8965	0.9110	0.8761	0.8256	0.9166
77	0.9551	0.9640	0.9739	0.9637	0.9710	0.9653	0.9699	0.9510	0.9175	0.9711
78	0.8928	0.8792	0.9071	0.8799	0.9011	0.8763	0.8953	0.8589	0.8259	0.9052
79	0.9473	0.9406	0.9535	0.9408	0.9520	0.9417	0.9500	0.9253	0.9116	0.9520
80	0.8870	0.9466	0.9688	0.9563	0.9515	0.9489	0.9418	0.8428	0.8156	0.9663
81	0.9358	0.9381	0.9522	0.9369	0.9508	0.9362	0.9487	0.9275	0.8939	0.9489
82	0.9815	0.9930	0.9885	0.9929	0.9923	0.9930	0.9922	0.9825	0.9836	0.9947
83	0.9615	0.9694	0.9833	0.9772	0.9729	0.9758	0.9781	0.9512	0.8708	0.9818
84	0.9603	0.9621	0.9758	0.9687	0.9683	0.9666	0.9714	0.9501	0.9149	0.9747
85	0.9570	0.9544	0.9680	0.9488	0.9591	0.9561	0.9634	0.9401	0.8914	0.9617
86	0.9393	0.9329	0.9481	0.9341	0.9447	0.9349	0.9421	0.9228	0.9021	0.9456
87	0.9400	0.9407	0.9524	0.9373	0.9547	0.9401	0.9507	0.9226	0.8920	0.9508
88	0.9696	0.9733	0.9589	0.9699	0.9764	0.9698	0.9772	0.9646	0.9504	0.9751
89	0.9279	0.9272	0.9441	0.9319	0.9364	0.9281	0.9369	0.9108	0.8566	0.9405
90	0.9538	0.9628	0.9733	0.9615	0.9705	0.9667	0.9704	0.9495	0.9278	0.9695
91	0.9659	0.9633	0.9730	0.9627	0.9709	0.9616	0.9698	0.9470	0.9213	0.9717
92	0.9390	0.9355	0.9508	0.9361	0.9444	0.9344	0.9436	0.9226	0.8946	0.9483
93	0.9346	0.9305	0.9452	0.9312	0.9417	0.9302	0.9406	0.9139	0.8991	0.9446
94	0.9487	0.9595	0.9694	0.9621	0.9723	0.9615	0.9685	0.9437	0.9029	0.9717
95	0.9368	0.9250	0.9424	0.9210	0.9381	0.9245	0.9364	0.9107	0.8783	0.9389
96	0.9539	0.9552	0.9644	0.9507	0.9625	0.9540	0.9613	0.9414	0.9156	0.9628
97	0.9439	0.9410	0.9562	0.9427	0.9473	0.9417	0.9501	0.9219	0.9006	0.9537
98	0.9313	0.9333	0.9533	0.9324	0.9502	0.9387	0.9440	0.9066	0.8700	0.9535
99	0.8626	0.8805	0.9021	0.8771	0.8951	0.8836	0.8944	0.8400	0.8195	0.8971
100	0.9672	0.9671	0.9797	0.9700	0.9783	0.9699	0.9747	0.9586	0.9354	0.9798

Table 39: SSIM error for images 51 to 100 – 128 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
1	0.9558	0.9545	0.9691	0.9567	0.9648	0.9555	0.9639	0.9324	0.8920	0.9648
2	0.9719	0.9722	0.9754	0.9733	0.9784	0.9767	0.9784	0.9646	0.7924	0.9518
3	0.9591	0.9800	0.9916	0.9865	0.9903	0.9882	0.9871	0.9434	0.9441	0.9906
4	0.8938	0.9609	0.9756	0.9722	0.9544	0.9745	0.9583	0.7891	0.8026	0.9728
5	0.9450	0.9607	0.9742	0.9620	0.9695	0.9625	0.9700	0.9338	0.9017	0.9711
6	0.9346	0.9422	0.9456	0.9412	0.9464	0.9412	0.9507	0.9288	0.8959	0.9505
7	0.9767	0.9807	0.9783	0.9807	0.9828	0.9806	0.9832	0.9723	0.9662	0.9819
8	0.9453	0.9543	0.9676	0.9562	0.9644	0.9587	0.9651	0.9305	0.8843	0.9651
9	0.9444	0.9265	0.9478	0.9309	0.9365	0.9260	0.9409	0.9143	0.8513	0.9402
10	0.9832	0.9830	0.9871	0.9831	0.9864	0.9843	0.9860	0.9781	0.9696	0.9862
11	0.9635	0.9633	0.9708	0.9593	0.9685	0.9636	0.9697	0.9505	0.8916	0.9677
12	0.9487	0.9451	0.9536	0.9386	0.9452	0.9456	0.9560	0.9243	0.8571	0.9417
13	0.9608	0.9572	0.9682	0.9546	0.9654	0.9574	0.9643	0.9452	0.9183	0.9657
14	0.9422	0.9373	0.9558	0.9410	0.9439	0.9421	0.9474	0.9154	0.8489	0.9472
15	0.9440	0.9370	0.9428	0.9143	0.9263	0.9059	0.9509	0.8716	0.8363	0.9161
16	0.9769	0.9868	0.9910	0.9878	0.9887	0.9877	0.9890	0.9719	0.9517	0.9879
17	0.9286	0.9423	0.9597	0.9457	0.9503	0.9428	0.9529	0.9165	0.8552	0.9547
18	0.9603	0.9673	0.9810	0.9707	0.9750	0.9742	0.9745	0.9482	0.9139	0.9772
19	0.9536	0.9574	0.9707	0.9581	0.9674	0.9561	0.9643	0.9418	0.8812	0.9673
20	0.9381	0.9422	0.9592	0.9456	0.9504	0.9455	0.9500	0.9085	0.8949	0.9563
21	0.9692	0.9680	0.9763	0.9685	0.9747	0.9705	0.9734	0.9563	0.9316	0.9725
22	0.9749	0.9810	0.9883	0.9871	0.9848	0.9880	0.9854	0.9620	0.7212	0.9570
23	0.8293	0.9812	0.9899	0.9880	0.9842	0.9878	0.9749	0.8095	0.8893	0.9868
24	0.9519	0.9561	0.9677	0.9537	0.9625	0.9571	0.9623	0.9458	0.9191	0.9618
25	0.9448	0.9509	0.9638	0.9487	0.9601	0.9507	0.9597	0.9331	0.9046	0.9612
26	0.9182	0.9394	0.9509	0.9404	0.9447	0.9405	0.9512	0.9299	0.8449	0.9406
27	0.9736	0.9822	0.9794	0.9835	0.9846	0.9840	0.9855	0.9731	0.6845	0.9345
28	0.9298	0.9248	0.9412	0.9265	0.9375	0.9219	0.9363	0.9081	0.8497	0.9381
29	0.8802	0.8801	0.9050	0.8681	0.8947	0.8792	0.8986	0.8641	0.7784	0.8925
30	0.9457	0.9470	0.9633	0.9533	0.9588	0.9495	0.9564	0.9283	0.9032	0.9599
31	0.8945	0.8861	0.9129	0.8790	0.8980	0.8819	0.9037	0.8446	0.7901	0.8960
32	0.9716	0.9679	0.9780	0.9675	0.9767	0.9703	0.9748	0.9603	0.9494	0.9764
33	0.9833	0.9815	0.9870	0.9828	0.9855	0.9814	0.9846	0.9765	0.9592	0.9853
34	0.9235	0.9414	0.9546	0.9448	0.9490	0.9429	0.9511	0.9172	0.8512	0.9486
35	0.9705	0.9684	0.9752	0.9675	0.9740	0.9687	0.9725	0.9590	0.9367	0.9733
36	0.9160	0.9098	0.9302	0.9094	0.9245	0.9135	0.9236	0.8809	0.8745	0.9265
37	0.9006	0.9358	0.9522	0.9363	0.9433	0.9359	0.9465	0.9041	0.8506	0.9440
38	0.9553	0.9677	0.9753	0.9733	0.9798	0.9743	0.9762	0.9483	0.9388	0.9764
39	0.9523	0.9601	0.9737	0.9639	0.9695	0.9658	0.9679	0.9353	0.9069	0.9716
40	0.9469	0.9505	0.9610	0.9495	0.9581	0.9514	0.9569	0.9338	0.9153	0.9579
41	0.9341	0.9301	0.9437	0.9296	0.9275	0.9283	0.9400	0.9158	0.8204	0.9299
42	0.9034	0.9087	0.9292	0.9088	0.9211	0.9056	0.9229	0.8877	0.8412	0.9203
43	0.9375	0.9404	0.9555	0.9401	0.9505	0.9386	0.9504	0.9216	0.9067	0.9534
44	0.9275	0.9207	0.9367	0.9163	0.9299	0.9206	0.9303	0.9031	0.8667	0.9317
45	0.9475	0.9581	0.9671	0.9615	0.9680	0.9619	0.9661	0.9343	0.9068	0.9651
46	0.9110	0.9028	0.9289	0.9008	0.9211	0.9087	0.9193	0.8810	0.8682	0.9232
47	0.9257	0.9239	0.9476	0.9243	0.9393	0.9233	0.9362	0.9071	0.8315	0.9422
48	0.9246	0.9205	0.9427	0.9230	0.9268	0.9287	0.9344	0.9053	0.7940	0.9265
49	0.9437	0.9419	0.9516	0.9402	0.9490	0.9362	0.9476	0.9343	0.9263	0.9469
50	0.8798	0.8607	0.8930	0.8514	0.8803	0.8609	0.8828	0.8386	0.7903	0.8812

Table 40: SSIM error for images 1 to 50 – 256 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
51	0.9235	0.9237	0.9440	0.9219	0.9414	0.9295	0.9372	0.8946	0.8662	0.9417
52	0.9409	0.9382	0.9570	0.9408	0.9521	0.9400	0.9496	0.9223	0.8751	0.9500
53	0.9595	0.9713	0.9840	0.9784	0.9807	0.9770	0.9784	0.9518	0.9279	0.9823
54	0.8858	0.8785	0.9097	0.8832	0.9020	0.8794	0.8953	0.8552	0.8103	0.9013
55	0.9445	0.9516	0.9586	0.9528	0.9631	0.9554	0.9614	0.9359	0.9145	0.9613
56	0.9957	0.9955	0.9962	0.9951	0.9964	0.9956	0.9962	0.9932	0.9917	0.9959
57	0.9552	0.9610	0.9705	0.9596	0.9666	0.9615	0.9666	0.9420	0.9093	0.9682
58	0.9742	0.9736	0.9792	0.9729	0.9787	0.9718	0.9779	0.9640	0.9547	0.9770
59	0.9547	0.9519	0.9646	0.9500	0.9630	0.9546	0.9606	0.9378	0.9207	0.9622
60	0.9815	0.9808	0.9868	0.9806	0.9856	0.9813	0.9848	0.9688	0.9516	0.9847
61	0.9638	0.9659	0.9735	0.9645	0.9701	0.9665	0.9709	0.9463	0.9285	0.9724
62	0.9803	0.9848	0.9900	0.9854	0.9882	0.9848	0.9871	0.9784	0.9574	0.9890
63	0.9575	0.9590	0.9699	0.9617	0.9675	0.9604	0.9664	0.9454	0.9182	0.9677
64	0.9716	0.9817	0.9875	0.9839	0.9877	0.9844	0.9861	0.9672	0.9645	0.9871
65	0.9792	0.9783	0.9826	0.9792	0.9819	0.9795	0.9813	0.9732	0.9530	0.9806
66	0.9477	0.9650	0.9755	0.9642	0.9718	0.9631	0.9716	0.9356	0.9215	0.9718
67	0.9422	0.9361	0.9519	0.9356	0.9489	0.9388	0.9463	0.9144	0.9128	0.9483
68	0.9321	0.9325	0.9484	0.9356	0.9419	0.9297	0.9423	0.9050	0.8447	0.9454
69	0.9845	0.9826	0.9868	0.9822	0.9864	0.9818	0.9854	0.9753	0.9662	0.9856
70	0.9653	0.9635	0.9726	0.9602	0.9709	0.9630	0.9704	0.9479	0.9377	0.9713
71	0.9572	0.9601	0.9782	0.9653	0.9723	0.9651	0.9683	0.9455	0.9062	0.9750
72	0.9585	0.9689	0.9795	0.9700	0.9751	0.9718	0.9762	0.9457	0.9190	0.9748
73	0.9339	0.9374	0.9569	0.9442	0.9498	0.9391	0.9489	0.9152	0.8342	0.9522
74	0.9482	0.9440	0.9591	0.9462	0.9557	0.9474	0.9524	0.9275	0.8909	0.9564
75	0.9675	0.9756	0.9834	0.9781	0.9817	0.9787	0.9810	0.9605	0.9401	0.9832
76	0.9197	0.9286	0.9463	0.9309	0.9409	0.9320	0.9414	0.9078	0.8607	0.9432
77	0.9676	0.9770	0.9833	0.9770	0.9815	0.9771	0.9802	0.9623	0.9415	0.9812
78	0.9206	0.9155	0.9371	0.9156	0.9294	0.9121	0.9278	0.8951	0.8613	0.9333
79	0.9624	0.9601	0.9687	0.9601	0.9668	0.9609	0.9661	0.9462	0.9313	0.9675
80	0.8994	0.9603	0.9802	0.9702	0.9661	0.9700	0.9517	0.8573	0.8550	0.9764
81	0.9533	0.9602	0.9698	0.9608	0.9681	0.9588	0.9668	0.9467	0.9245	0.9661
82	0.9826	0.9950	0.9932	0.9961	0.9954	0.9959	0.9949	0.9839	0.9836	0.9962
83	0.9671	0.9771	0.9891	0.9851	0.9796	0.9845	0.9849	0.9561	0.8898	0.9805
84	0.9685	0.9744	0.9845	0.9791	0.9792	0.9781	0.9804	0.9609	0.9374	0.9832
85	0.9708	0.9690	0.9798	0.9704	0.9732	0.9705	0.9749	0.9535	0.9139	0.9731
86	0.9568	0.9540	0.9659	0.9551	0.9616	0.9532	0.9610	0.9442	0.9261	0.9621
87	0.9573	0.9588	0.9699	0.9591	0.9682	0.9593	0.9664	0.9396	0.9096	0.9653
88	0.9780	0.9824	0.9746	0.9822	0.9856	0.9810	0.9852	0.9752	0.9587	0.9839
89	0.9485	0.9521	0.9637	0.9551	0.9607	0.9511	0.9584	0.9373	0.8848	0.9591
90	0.9607	0.9738	0.9837	0.9787	0.9817	0.9794	0.9798	0.9578	0.9447	0.9816
91	0.9770	0.9768	0.9835	0.9775	0.9821	0.9776	0.9809	0.9608	0.9482	0.9815
92	0.9590	0.9571	0.9688	0.9582	0.9643	0.9586	0.9642	0.9461	0.9188	0.9669
93	0.9559	0.9537	0.9648	0.9541	0.9631	0.9536	0.9608	0.9388	0.9168	0.9632
94	0.9584	0.9715	0.9800	0.9760	0.9818	0.9761	0.9799	0.9530	0.9132	0.9796
95	0.9562	0.9548	0.9638	0.9459	0.9611	0.9522	0.9624	0.9400	0.9090	0.9602
96	0.9651	0.9677	0.9777	0.9698	0.9737	0.9696	0.9739	0.9563	0.9365	0.9748
97	0.9587	0.9592	0.9703	0.9629	0.9664	0.9614	0.9654	0.9444	0.9337	0.9678
98	0.9422	0.9559	0.9725	0.9606	0.9693	0.9583	0.9658	0.9317	0.9020	0.9699
99	0.8919	0.9147	0.9320	0.9117	0.9270	0.9147	0.9251	0.8697	0.8597	0.9274
100	0.9730	0.9774	0.9882	0.9820	0.9873	0.9830	0.9859	0.9685	0.9525	0.9867

Table 41: SSIM error for images 51 to 100 – 256 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
1	0.9625	0.9537	0.9646	0.9512	0.9618	0.9598	0.9631	0.9464	0.9005	0.9603
2	0.9660	0.9630	0.9654	0.9558	0.9680	0.9646	0.9681	0.9538	0.9371	0.9679
3	0.9826	0.9795	0.9868	0.9799	0.9832	0.9781	0.9841	0.9790	0.9606	0.9867
4	0.9472	0.9669	0.9682	0.9660	0.9713	0.9677	0.9726	0.9374	0.9084	0.9692
5	0.9476	0.9395	0.9571	0.9294	0.9515	0.9487	0.9496	0.8434	0.8728	0.9568
6	0.9262	0.9280	0.9210	0.9240	0.9286	0.9206	0.9293	0.9152	0.8858	0.9366
7	0.9848	0.9820	0.9833	0.9820	0.9853	0.9844	0.9848	0.9796	0.9676	0.9866
8	0.9626	0.9577	0.9650	0.9437	0.9616	0.9564	0.9633	0.9379	0.9371	0.9650
9	0.9559	0.9408	0.9598	0.9477	0.9585	0.9393	0.9513	0.9453	0.8859	0.9569
10	0.9884	0.9856	0.9897	0.9853	0.9870	0.9873	0.9878	0.9818	0.9683	0.9876
11	0.9581	0.9509	0.9579	0.9413	0.9622	0.9518	0.9584	0.9219	0.8819	0.9481
12	0.9588	0.9576	0.9665	0.9504	0.9666	0.9536	0.9645	0.9444	0.9000	0.9604
13	0.9554	0.9470	0.9612	0.9415	0.9579	0.9541	0.9550	0.9243	0.8842	0.9573
14	0.9605	0.9548	0.9669	0.9574	0.9630	0.9580	0.9608	0.9441	0.9302	0.9646
15	0.8385	0.8444	0.8366	0.8075	0.8325	0.8138	0.8521	0.7485	0.6935	0.8372
16	0.9876	0.9880	0.9890	0.9851	0.9873	0.9833	0.9893	0.9809	0.9683	0.9889
17	0.9271	0.9244	0.9280	0.9222	0.9374	0.9324	0.9331	0.9103	0.8570	0.9295
18	0.9701	0.9659	0.9770	0.9581	0.9729	0.9677	0.9693	0.9673	0.9502	0.9760
19	0.9542	0.9529	0.9596	0.9484	0.9595	0.9486	0.9600	0.9481	0.8996	0.9534
20	0.9642	0.9651	0.9720	0.9660	0.9685	0.9656	0.9699	0.9612	0.9512	0.9697
21	0.9695	0.9585	0.9733	0.9650	0.9717	0.9693	0.9692	0.9573	0.9312	0.9698
22	0.9828	0.9854	0.9873	0.9861	0.9861	0.9871	0.9883	0.9854	0.9719	0.9882
23	0.9750	0.9877	0.9873	0.9844	0.9871	0.9859	0.9882	0.9757	0.9590	0.9842
24	0.9532	0.9431	0.9544	0.9374	0.9527	0.9507	0.9518	0.9387	0.9290	0.9467
25	0.9390	0.9396	0.9483	0.9417	0.9386	0.9409	0.9496	0.9344	0.8893	0.9416
26	0.9604	0.9558	0.9639	0.9502	0.9567	0.9506	0.9617	0.9367	0.9056	0.9587
27	0.9801	0.9733	0.9766	0.9804	0.9847	0.9748	0.9763	0.9711	0.9582	0.9768
28	0.9269	0.9137	0.9244	0.9113	0.9236	0.9043	0.9305	0.8782	0.8282	0.9231
29	0.8846	0.8652	0.8893	0.8563	0.8409	0.8664	0.8784	0.8366	0.7844	0.8906
30	0.9369	0.9411	0.9541	0.9347	0.9508	0.9356	0.9487	0.9231	0.8804	0.9462
31	0.8860	0.8763	0.8946	0.8641	0.8907	0.8833	0.8891	0.8625	0.8331	0.8930
32	0.9614	0.9522	0.9659	0.9498	0.9607	0.9571	0.9623	0.9437	0.9222	0.9604
33	0.9829	0.9798	0.9851	0.9817	0.9829	0.9816	0.9840	0.9716	0.9611	0.9822
34	0.9400	0.9278	0.9457	0.9208	0.9426	0.9357	0.9359	0.9340	0.8752	0.9305
35	0.9696	0.9614	0.9710	0.9627	0.9710	0.9664	0.9679	0.9498	0.9197	0.9641
36	0.9297	0.9188	0.9317	0.9251	0.9272	0.9223	0.9277	0.9095	0.8864	0.9284
37	0.9509	0.9451	0.9532	0.9340	0.9537	0.9427	0.9515	0.9272	0.8859	0.9529
38	0.9682	0.9677	0.9606	0.9509	0.9711	0.9662	0.9706	0.9580	0.9274	0.9661
39	0.9626	0.9594	0.9689	0.9601	0.9670	0.9638	0.9645	0.9583	0.9340	0.9678
40	0.9562	0.9434	0.9561	0.9430	0.9503	0.9518	0.9538	0.9417	0.8856	0.9523
41	0.9519	0.9430	0.9583	0.9433	0.9572	0.9423	0.9513	0.9319	0.9182	0.9537
42	0.9381	0.9339	0.9455	0.9340	0.9441	0.9372	0.9400	0.9112	0.8702	0.9422
43	0.9356	0.9278	0.9457	0.9256	0.9419	0.9243	0.9384	0.9108	0.8789	0.9420
44	0.9489	0.9391	0.9540	0.9409	0.9509	0.9475	0.9481	0.9366	0.8970	0.9509
45	0.9660	0.9655	0.9684	0.9547	0.9648	0.9654	0.9697	0.9499	0.9287	0.9694
46	0.9100	0.8991	0.9196	0.8947	0.9148	0.9142	0.9101	0.8666	0.8470	0.9186
47	0.9192	0.9149	0.9344	0.9162	0.9269	0.9096	0.9275	0.9029	0.8618	0.9239
48	0.9201	0.9101	0.9315	0.9058	0.9257	0.9155	0.9248	0.9046	0.8909	0.9297
49	0.9566	0.9565	0.9611	0.9550	0.9565	0.9499	0.9602	0.9459	0.9198	0.9588
50	0.8890	0.8688	0.8908	0.8754	0.8836	0.8738	0.8850	0.8574	0.8220	0.8842

Table 42: MS-SSIM error for images 1 to 50 – 32 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
51	0.9211	0.9088	0.9306	0.9017	0.9206	0.9110	0.9205	0.9055	0.8811	0.9326
52	0.9342	0.9225	0.9394	0.9217	0.9445	0.9199	0.9359	0.9050	0.8581	0.9339
53	0.9792	0.9753	0.9838	0.9754	0.9837	0.9741	0.9816	0.9726	0.9340	0.9817
54	0.9044	0.8925	0.9132	0.8908	0.9087	0.8865	0.9052	0.8826	0.8255	0.9036
55	0.9422	0.9379	0.9401	0.9275	0.9360	0.9377	0.9434	0.9181	0.8957	0.9408
56	0.9926	0.9917	0.9935	0.9922	0.9936	0.9932	0.9931	0.9900	0.9747	0.9932
57	0.9545	0.9537	0.9582	0.9496	0.9444	0.9574	0.9560	0.9475	0.9130	0.9547
58	0.9801	0.9764	0.9817	0.9763	0.9821	0.9767	0.9815	0.9703	0.9659	0.9808
59	0.9545	0.9446	0.9608	0.9428	0.9587	0.9521	0.9567	0.9307	0.9109	0.9557
60	0.9796	0.9765	0.9816	0.9737	0.9804	0.9754	0.9809	0.9538	0.9381	0.9763
61	0.9670	0.9592	0.9697	0.9574	0.9623	0.9622	0.9657	0.9174	0.9062	0.9654
62	0.9828	0.9812	0.9858	0.9794	0.9844	0.9833	0.9838	0.9794	0.9621	0.9852
63	0.9649	0.9573	0.9710	0.9558	0.9689	0.9627	0.9679	0.9574	0.9193	0.9705
64	0.9861	0.9845	0.9816	0.9854	0.9878	0.9866	0.9882	0.9823	0.9687	0.9857
65	0.9795	0.9724	0.9805	0.9732	0.9807	0.9813	0.9783	0.9710	0.9480	0.9787
66	0.9419	0.9435	0.9532	0.9488	0.9536	0.9541	0.9505	0.9337	0.8966	0.9536
67	0.9426	0.9324	0.9433	0.9285	0.9410	0.9381	0.9411	0.9091	0.8860	0.9452
68	0.9401	0.9354	0.9502	0.9305	0.9505	0.9385	0.9442	0.9139	0.8724	0.9440
69	0.9850	0.9811	0.9861	0.9807	0.9862	0.9838	0.9851	0.9776	0.9515	0.9834
70	0.9712	0.9641	0.9735	0.9589	0.9713	0.9662	0.9710	0.9559	0.9368	0.9710
71	0.9577	0.9562	0.9663	0.9549	0.9653	0.9523	0.9621	0.9475	0.9090	0.9654
72	0.9640	0.9654	0.9717	0.9541	0.9601	0.9661	0.9719	0.9488	0.9213	0.9608
73	0.9529	0.9432	0.9575	0.9326	0.9501	0.9431	0.9513	0.9293	0.8651	0.9473
74	0.9518	0.9376	0.9581	0.9474	0.9537	0.9463	0.9521	0.9083	0.9047	0.9540
75	0.9721	0.9693	0.9765	0.9701	0.9761	0.9693	0.9732	0.9699	0.9400	0.9762
76	0.9474	0.9397	0.9520	0.9367	0.9506	0.9417	0.9478	0.9306	0.8816	0.9519
77	0.9791	0.9740	0.9826	0.9754	0.9814	0.9767	0.9792	0.9669	0.9424	0.9799
78	0.9336	0.9216	0.9399	0.9170	0.9345	0.9136	0.9326	0.9063	0.8756	0.9370
79	0.9648	0.9582	0.9685	0.9591	0.9654	0.9629	0.9658	0.9423	0.9147	0.9620
80	0.9706	0.9748	0.9771	0.9711	0.9751	0.9757	0.9763	0.9718	0.9538	0.9731
81	0.9636	0.9566	0.9668	0.9620	0.9664	0.9622	0.9645	0.9564	0.9205	0.9666
82	0.9926	0.9935	0.9742	0.9888	0.9938	0.9916	0.9935	0.9905	0.9728	0.9931
83	0.9837	0.9771	0.9884	0.9764	0.9874	0.9863	0.9861	0.9767	0.9602	0.9870
84	0.9782	0.9755	0.9843	0.9754	0.9785	0.9782	0.9805	0.9744	0.9466	0.9792
85	0.9797	0.9733	0.9822	0.9650	0.9798	0.9771	0.9775	0.9653	0.9488	0.9798
86	0.9644	0.9524	0.9640	0.9536	0.9613	0.9595	0.9597	0.9421	0.9307	0.9634
87	0.9575	0.9527	0.9618	0.9488	0.9642	0.9586	0.9621	0.9320	0.9266	0.9530
88	0.9666	0.9646	0.9517	0.9585	0.9633	0.9598	0.9659	0.9579	0.9042	0.9671
89	0.9474	0.9418	0.9577	0.9452	0.9529	0.9435	0.9527	0.9356	0.8867	0.9501
90	0.9635	0.9608	0.9705	0.9571	0.9649	0.9635	0.9673	0.9533	0.9313	0.9652
91	0.9808	0.9743	0.9810	0.9749	0.9794	0.9755	0.9808	0.9680	0.9481	0.9768
92	0.9511	0.9495	0.9571	0.9403	0.9425	0.9403	0.9556	0.9311	0.8971	0.9529
93	0.9609	0.9537	0.9614	0.9461	0.9610	0.9524	0.9597	0.9402	0.9289	0.9579
94	0.9767	0.9711	0.9825	0.9738	0.9796	0.9737	0.9763	0.9622	0.9296	0.9803
95	0.9548	0.9488	0.9584	0.9293	0.9557	0.9468	0.9560	0.9234	0.8936	0.9556
96	0.9692	0.9649	0.9727	0.9610	0.9715	0.9643	0.9722	0.9516	0.9338	0.9708
97	0.9659	0.9536	0.9690	0.9563	0.9604	0.9578	0.9626	0.9461	0.9305	0.9657
98	0.9466	0.9427	0.9527	0.9372	0.9538	0.9303	0.9544	0.9114	0.8983	0.9524
99	0.9316	0.9231	0.9349	0.9044	0.9338	0.9203	0.9340	0.8987	0.8449	0.9322
100	0.9744	0.9716	0.9821	0.9729	0.9813	0.9760	0.9761	0.9713	0.9473	0.9824

Table 43: MS-SSIM error for images 51 to 100 – 32 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
1	0.9762	0.9771	0.9805	0.9730	0.9782	0.9747	0.9796	0.9674	0.9250	0.9789
2	0.9794	0.9788	0.9801	0.9744	0.9814	0.9786	0.9820	0.9702	0.9533	0.9837
3	0.9894	0.9906	0.9947	0.9906	0.9928	0.9909	0.9923	0.9883	0.9757	0.9942
4	0.9587	0.9809	0.9819	0.9795	0.9842	0.9813	0.9839	0.9501	0.9469	0.9848
5	0.9685	0.9649	0.9748	0.9596	0.9738	0.9688	0.9728	0.9049	0.9350	0.9730
6	0.9530	0.9516	0.9537	0.9448	0.9571	0.9473	0.9570	0.9453	0.9213	0.9621
7	0.9908	0.9908	0.9893	0.9898	0.9918	0.9907	0.9917	0.9880	0.9781	0.9921
8	0.9788	0.9770	0.9782	0.9713	0.9784	0.9755	0.9806	0.9653	0.9564	0.9798
9	0.9721	0.9707	0.9763	0.9703	0.9761	0.9681	0.9743	0.9648	0.9032	0.9753
10	0.9926	0.9928	0.9944	0.9915	0.9931	0.9926	0.9940	0.9896	0.9778	0.9931
11	0.9762	0.9739	0.9792	0.9747	0.9759	0.9741	0.9788	0.9598	0.9204	0.9773
12	0.9767	0.9767	0.9798	0.9719	0.9808	0.9730	0.9794	0.9682	0.9445	0.9773
13	0.9742	0.9706	0.9765	0.9659	0.9755	0.9725	0.9749	0.9608	0.9212	0.9761
14	0.9748	0.9716	0.9799	0.9703	0.9758	0.9753	0.9763	0.9631	0.9406	0.9768
15	0.8887	0.9022	0.8955	0.8848	0.8921	0.8755	0.9056	0.8786	0.7259	0.8971
16	0.9930	0.9940	0.9939	0.9908	0.9926	0.9920	0.9944	0.9906	0.9813	0.9940
17	0.9590	0.9616	0.9686	0.9541	0.9661	0.9595	0.9676	0.9466	0.8986	0.9650
18	0.9812	0.9821	0.9876	0.9827	0.9850	0.9842	0.9857	0.9788	0.9656	0.9861
19	0.9747	0.9711	0.9781	0.9718	0.9784	0.9735	0.9765	0.9643	0.9192	0.9719
20	0.9766	0.9748	0.9816	0.9767	0.9797	0.9764	0.9791	0.9718	0.9666	0.9812
21	0.9827	0.9788	0.9849	0.9784	0.9844	0.9815	0.9830	0.9730	0.9603	0.9829
22	0.9928	0.9934	0.9934	0.9932	0.9939	0.9939	0.9948	0.9896	0.9760	0.9947
23	0.9837	0.9946	0.9958	0.9935	0.9948	0.9947	0.9953	0.9837	0.9815	0.9938
24	0.9658	0.9669	0.9766	0.9641	0.9701	0.9681	0.9716	0.9602	0.9346	0.9703
25	0.9635	0.9605	0.9719	0.9604	0.9687	0.9674	0.9671	0.9605	0.9356	0.9656
26	0.9757	0.9731	0.9789	0.9700	0.9767	0.9729	0.9765	0.9676	0.9292	0.9776
27	0.9874	0.9896	0.9848	0.9874	0.9914	0.9896	0.9912	0.9848	0.9709	0.9907
28	0.9545	0.9499	0.9603	0.9487	0.9592	0.9450	0.9584	0.9339	0.8575	0.9552
29	0.9318	0.9170	0.9380	0.9155	0.9136	0.9289	0.9300	0.9080	0.8754	0.9379
30	0.9609	0.9600	0.9725	0.9628	0.9703	0.9605	0.9665	0.9489	0.9234	0.9672
31	0.9217	0.9149	0.9356	0.9162	0.9286	0.9195	0.9272	0.8999	0.8645	0.9330
32	0.9805	0.9745	0.9827	0.9761	0.9829	0.9777	0.9810	0.9730	0.9589	0.9817
33	0.9900	0.9871	0.9908	0.9889	0.9906	0.9880	0.9901	0.9835	0.9725	0.9898
34	0.9689	0.9605	0.9725	0.9610	0.9731	0.9666	0.9676	0.9557	0.8985	0.9688
35	0.9816	0.9782	0.9840	0.9780	0.9826	0.9801	0.9827	0.9698	0.9468	0.9797
36	0.9564	0.9436	0.9596	0.9496	0.9552	0.9506	0.9524	0.9371	0.9164	0.9584
37	0.9694	0.9670	0.9728	0.9651	0.9707	0.9637	0.9704	0.9509	0.9226	0.9734
38	0.9724	0.9797	0.9724	0.9760	0.9820	0.9803	0.9828	0.9718	0.9605	0.9723
39	0.9777	0.9758	0.9818	0.9770	0.9808	0.9803	0.9800	0.9701	0.9551	0.9820
40	0.9736	0.9675	0.9769	0.9653	0.9726	0.9701	0.9733	0.9615	0.9418	0.9743
41	0.9706	0.9667	0.9748	0.9659	0.9717	0.9669	0.9714	0.9585	0.9431	0.9732
42	0.9617	0.9574	0.9679	0.9565	0.9653	0.9579	0.9638	0.9470	0.9202	0.9647
43	0.9630	0.9588	0.9699	0.9469	0.9654	0.9543	0.9675	0.9474	0.9073	0.9685
44	0.9668	0.9615	0.9694	0.9613	0.9684	0.9627	0.9671	0.9551	0.9290	0.9665
45	0.9780	0.9785	0.9811	0.9744	0.9807	0.9798	0.9816	0.9650	0.9424	0.9784
46	0.9458	0.9336	0.9549	0.9280	0.9511	0.9456	0.9470	0.9125	0.8937	0.9515
47	0.9448	0.9382	0.9570	0.9430	0.9546	0.9400	0.9496	0.9358	0.8993	0.9557
48	0.9510	0.9480	0.9595	0.9468	0.9543	0.9465	0.9548	0.9342	0.9094	0.9554
49	0.9715	0.9718	0.9752	0.9697	0.9740	0.9681	0.9743	0.9683	0.9335	0.9745
50	0.9191	0.9077	0.9280	0.9004	0.9197	0.9108	0.9201	0.8939	0.8713	0.9252

Table 44: MS-SSIM error for images 1 to 50 – 64 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
51	0.9551	0.9475	0.9610	0.9424	0.9572	0.9530	0.9589	0.9370	0.9173	0.9586
52	0.9567	0.9512	0.9656	0.9541	0.9645	0.9501	0.9595	0.9317	0.8917	0.9643
53	0.9852	0.9827	0.9904	0.9869	0.9899	0.9844	0.9881	0.9804	0.9503	0.9894
54	0.9328	0.9205	0.9418	0.9284	0.9350	0.9206	0.9360	0.9119	0.8669	0.9399
55	0.9651	0.9602	0.9679	0.9579	0.9654	0.9653	0.9639	0.9569	0.9331	0.9666
56	0.9960	0.9956	0.9964	0.9956	0.9968	0.9961	0.9964	0.9943	0.9891	0.9958
57	0.9660	0.9683	0.9765	0.9680	0.9711	0.9663	0.9711	0.9583	0.9268	0.9706
58	0.9880	0.9863	0.9891	0.9871	0.9887	0.9853	0.9888	0.9817	0.9777	0.9883
59	0.9739	0.9682	0.9773	0.9683	0.9767	0.9713	0.9742	0.9602	0.9348	0.9734
60	0.9881	0.9866	0.9904	0.9867	0.9903	0.9852	0.9895	0.9668	0.9691	0.9882
61	0.9797	0.9792	0.9826	0.9744	0.9816	0.9812	0.9831	0.9415	0.9490	0.9816
62	0.9901	0.9898	0.9929	0.9888	0.9925	0.9899	0.9913	0.9883	0.9754	0.9919
63	0.9812	0.9787	0.9845	0.9773	0.9822	0.9795	0.9830	0.9745	0.9353	0.9843
64	0.9914	0.9913	0.9913	0.9920	0.9932	0.9923	0.9931	0.9892	0.9809	0.9925
65	0.9881	0.9871	0.9900	0.9857	0.9889	0.9876	0.9896	0.9814	0.9684	0.9876
66	0.9716	0.9731	0.9808	0.9702	0.9748	0.9707	0.9775	0.9662	0.9491	0.9786
67	0.9646	0.9617	0.9704	0.9563	0.9661	0.9646	0.9674	0.9480	0.9337	0.9650
68	0.9654	0.9616	0.9695	0.9592	0.9685	0.9580	0.9678	0.9469	0.8969	0.9682
69	0.9910	0.9891	0.9922	0.9894	0.9919	0.9899	0.9911	0.9857	0.9679	0.9908
70	0.9825	0.9784	0.9854	0.9798	0.9824	0.9809	0.9821	0.9720	0.9612	0.9837
71	0.9750	0.9692	0.9829	0.9731	0.9787	0.9733	0.9747	0.9664	0.9433	0.9823
72	0.9796	0.9823	0.9860	0.9740	0.9768	0.9829	0.9846	0.9749	0.9608	0.9832
73	0.9702	0.9637	0.9756	0.9638	0.9712	0.9638	0.9690	0.9559	0.8985	0.9710
74	0.9680	0.9641	0.9746	0.9643	0.9727	0.9686	0.9712	0.9399	0.9156	0.9742
75	0.9756	0.9835	0.9891	0.9832	0.9869	0.9835	0.9868	0.9808	0.9549	0.9876
76	0.9667	0.9653	0.9712	0.9574	0.9689	0.9655	0.9686	0.9575	0.9216	0.9699
77	0.9880	0.9853	0.9904	0.9858	0.9901	0.9869	0.9886	0.9818	0.9655	0.9892
78	0.9519	0.9477	0.9622	0.9463	0.9591	0.9434	0.9546	0.9406	0.9003	0.9633
79	0.9792	0.9774	0.9814	0.9745	0.9804	0.9765	0.9811	0.9658	0.9540	0.9796
80	0.9835	0.9849	0.9886	0.9850	0.9872	0.9840	0.9869	0.9806	0.9638	0.9869
81	0.9764	0.9761	0.9814	0.9764	0.9810	0.9746	0.9799	0.9705	0.9400	0.9788
82	0.9942	0.9966	0.9939	0.9953	0.9955	0.9959	0.9962	0.9941	0.9889	0.9975
83	0.9906	0.9898	0.9942	0.9921	0.9931	0.9917	0.9922	0.9866	0.9699	0.9932
84	0.9883	0.9866	0.9911	0.9870	0.9874	0.9861	0.9893	0.9841	0.9604	0.9894
85	0.9876	0.9857	0.9895	0.9831	0.9895	0.9857	0.9884	0.9813	0.9685	0.9878
86	0.9759	0.9704	0.9794	0.9711	0.9779	0.9753	0.9760	0.9629	0.9585	0.9784
87	0.9725	0.9730	0.9777	0.9693	0.9772	0.9710	0.9783	0.9575	0.9490	0.9737
88	0.9827	0.9834	0.9630	0.9784	0.9845	0.9818	0.9856	0.9804	0.9488	0.9838
89	0.9704	0.9644	0.9731	0.9688	0.9729	0.9684	0.9708	0.9574	0.9238	0.9724
90	0.9778	0.9790	0.9856	0.9755	0.9819	0.9810	0.9820	0.9742	0.9533	0.9818
91	0.9868	0.9855	0.9889	0.9845	0.9892	0.9862	0.9879	0.9817	0.9713	0.9888
92	0.9707	0.9650	0.9766	0.9683	0.9697	0.9688	0.9706	0.9623	0.9433	0.9748
93	0.9746	0.9710	0.9775	0.9724	0.9752	0.9713	0.9758	0.9648	0.9485	0.9759
94	0.9848	0.9842	0.9903	0.9862	0.9899	0.9874	0.9869	0.9815	0.9449	0.9893
95	0.9745	0.9677	0.9742	0.9606	0.9774	0.9715	0.9735	0.9576	0.9196	0.9742
96	0.9811	0.9784	0.9846	0.9794	0.9835	0.9769	0.9830	0.9734	0.9561	0.9838
97	0.9787	0.9748	0.9823	0.9736	0.9790	0.9778	0.9795	0.9690	0.9514	0.9802
98	0.9728	0.9666	0.9778	0.9691	0.9757	0.9699	0.9736	0.9572	0.9284	0.9751
99	0.9489	0.9521	0.9576	0.9458	0.9564	0.9524	0.9570	0.9329	0.8918	0.9543
100	0.9874	0.9857	0.9905	0.9835	0.9903	0.9867	0.9883	0.9838	0.9671	0.9902

Table 45: MS-SSIM error for images 51 to 100 – 64 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
1	0.9864	0.9859	0.9894	0.9843	0.9888	0.9860	0.9877	0.9798	0.9481	0.9884
2	0.9893	0.9885	0.9885	0.9885	0.9899	0.9893	0.9907	0.9850	0.9712	0.9919
3	0.9918	0.9951	0.9971	0.9949	0.9968	0.9957	0.9967	0.9925	0.9813	0.9972
4	0.9646	0.9880	0.9890	0.9891	0.9905	0.9889	0.9896	0.9611	0.9647	0.9909
5	0.9811	0.9816	0.9867	0.9792	0.9866	0.9823	0.9854	0.9653	0.9505	0.9867
6	0.9700	0.9682	0.9731	0.9689	0.9734	0.9683	0.9734	0.9630	0.9448	0.9750
7	0.9945	0.9942	0.9938	0.9933	0.9952	0.9944	0.9950	0.9920	0.9862	0.9952
8	0.9856	0.9865	0.9890	0.9849	0.9891	0.9876	0.9895	0.9804	0.9698	0.9898
9	0.9833	0.9836	0.9868	0.9820	0.9861	0.9811	0.9855	0.9783	0.9524	0.9861
10	0.9959	0.9956	0.9968	0.9955	0.9965	0.9959	0.9963	0.9933	0.9856	0.9966
11	0.9873	0.9855	0.9888	0.9844	0.9881	0.9855	0.9882	0.9779	0.9527	0.9879
12	0.9860	0.9847	0.9880	0.9827	0.9885	0.9854	0.9869	0.9793	0.9536	0.9881
13	0.9850	0.9829	0.9870	0.9816	0.9865	0.9837	0.9857	0.9758	0.9589	0.9867
14	0.9835	0.9821	0.9875	0.9822	0.9847	0.9835	0.9857	0.9773	0.9610	0.9861
15	0.9391	0.9511	0.9448	0.9289	0.9453	0.9362	0.9536	0.9278	0.8934	0.9393
16	0.9950	0.9958	0.9970	0.9953	0.9963	0.9963	0.9962	0.9943	0.9889	0.9967
17	0.9763	0.9774	0.9849	0.9796	0.9793	0.9770	0.9815	0.9700	0.9205	0.9830
18	0.9896	0.9896	0.9935	0.9903	0.9921	0.9910	0.9917	0.9874	0.9750	0.9935
19	0.9841	0.9836	0.9883	0.9837	0.9881	0.9837	0.9867	0.9755	0.9489	0.9867
20	0.9825	0.9829	0.9891	0.9844	0.9865	0.9844	0.9862	0.9786	0.9701	0.9880
21	0.9884	0.9867	0.9916	0.9874	0.9908	0.9887	0.9896	0.9827	0.9718	0.9904
22	0.9952	0.9958	0.9962	0.9965	0.9963	0.9971	0.9968	0.9925	0.9787	0.9969
23	0.9866	0.9969	0.9978	0.9973	0.9973	0.9972	0.9973	0.9868	0.9870	0.9974
24	0.9805	0.9809	0.9864	0.9794	0.9828	0.9815	0.9834	0.9755	0.9505	0.9827
25	0.9785	0.9794	0.9845	0.9778	0.9820	0.9802	0.9836	0.9754	0.9502	0.9837
26	0.9852	0.9842	0.9876	0.9839	0.9857	0.9838	0.9865	0.9804	0.9451	0.9861
27	0.9921	0.9931	0.9920	0.9929	0.9942	0.9939	0.9941	0.9908	0.9759	0.9936
28	0.9721	0.9689	0.9777	0.9691	0.9770	0.9662	0.9739	0.9571	0.9072	0.9769
29	0.9535	0.9501	0.9638	0.9431	0.9589	0.9509	0.9592	0.9426	0.8997	0.9623
30	0.9755	0.9748	0.9838	0.9768	0.9809	0.9759	0.9796	0.9656	0.9422	0.9826
31	0.9534	0.9504	0.9612	0.9469	0.9562	0.9506	0.9582	0.9325	0.9192	0.9611
32	0.9891	0.9873	0.9914	0.9875	0.9910	0.9879	0.9900	0.9846	0.9743	0.9910
33	0.9935	0.9929	0.9948	0.9932	0.9944	0.9928	0.9942	0.9897	0.9776	0.9943
34	0.9820	0.9783	0.9840	0.9766	0.9832	0.9808	0.9819	0.9729	0.9394	0.9815
35	0.9893	0.9877	0.9904	0.9873	0.9894	0.9878	0.9897	0.9832	0.9725	0.9895
36	0.9737	0.9658	0.9762	0.9690	0.9746	0.9696	0.9730	0.9565	0.9515	0.9753
37	0.9805	0.9794	0.9854	0.9798	0.9812	0.9788	0.9826	0.9713	0.9411	0.9843
38	0.9795	0.9860	0.9853	0.9864	0.9898	0.9885	0.9890	0.9804	0.9696	0.9870
39	0.9863	0.9852	0.9903	0.9868	0.9885	0.9872	0.9888	0.9795	0.9658	0.9894
40	0.9828	0.9817	0.9863	0.9817	0.9842	0.9806	0.9845	0.9729	0.9597	0.9843
41	0.9829	0.9800	0.9846	0.9805	0.9836	0.9790	0.9831	0.9721	0.9568	0.9835
42	0.9775	0.9738	0.9806	0.9749	0.9799	0.9725	0.9781	0.9667	0.9469	0.9797
43	0.9763	0.9744	0.9824	0.9735	0.9796	0.9751	0.9789	0.9696	0.9516	0.9823
44	0.9774	0.9746	0.9815	0.9762	0.9795	0.9757	0.9787	0.9691	0.9445	0.9804
45	0.9831	0.9855	0.9877	0.9840	0.9881	0.9863	0.9882	0.9777	0.9536	0.9874
46	0.9665	0.9614	0.9728	0.9595	0.9695	0.9657	0.9680	0.9448	0.9327	0.9708
47	0.9659	0.9613	0.9756	0.9606	0.9707	0.9629	0.9675	0.9546	0.9075	0.9726
48	0.9715	0.9664	0.9763	0.9670	0.9711	0.9699	0.9722	0.9579	0.9325	0.9725
49	0.9822	0.9808	0.9843	0.9803	0.9834	0.9799	0.9827	0.9779	0.9761	0.9832
50	0.9455	0.9420	0.9532	0.9391	0.9491	0.9412	0.9501	0.9280	0.9072	0.9527

Table 46: MS-SSIM error for images 1 to 50 – 128 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
51	0.9715	0.9692	0.9784	0.9686	0.9753	0.9715	0.9759	0.9615	0.9435	0.9783
52	0.9710	0.9675	0.9803	0.9687	0.9769	0.9688	0.9736	0.9588	0.9174	0.9777
53	0.9897	0.9904	0.9948	0.9920	0.9939	0.9922	0.9931	0.9865	0.9691	0.9934
54	0.9557	0.9467	0.9630	0.9495	0.9609	0.9501	0.9582	0.9387	0.9057	0.9605
55	0.9768	0.9776	0.9811	0.9757	0.9801	0.9796	0.9807	0.9720	0.9492	0.9834
56	0.9978	0.9977	0.9982	0.9974	0.9982	0.9979	0.9981	0.9965	0.9921	0.9981
57	0.9787	0.9812	0.9880	0.9805	0.9842	0.9814	0.9841	0.9721	0.9437	0.9851
58	0.9932	0.9922	0.9938	0.9919	0.9934	0.9916	0.9935	0.9886	0.9810	0.9935
59	0.9836	0.9816	0.9863	0.9804	0.9859	0.9829	0.9853	0.9756	0.9604	0.9857
60	0.9936	0.9925	0.9946	0.9919	0.9943	0.9927	0.9943	0.9835	0.9782	0.9943
61	0.9887	0.9879	0.9904	0.9864	0.9888	0.9888	0.9898	0.9662	0.9671	0.9902
62	0.9936	0.9939	0.9959	0.9928	0.9958	0.9945	0.9952	0.9932	0.9846	0.9958
63	0.9885	0.9878	0.9910	0.9877	0.9903	0.9883	0.9896	0.9849	0.9637	0.9906
64	0.9935	0.9946	0.9957	0.9952	0.9962	0.9959	0.9959	0.9918	0.9867	0.9960
65	0.9934	0.9917	0.9941	0.9928	0.9937	0.9928	0.9933	0.9891	0.9804	0.9933
66	0.9826	0.9863	0.9907	0.9850	0.9888	0.9842	0.9890	0.9773	0.9660	0.9893
67	0.9798	0.9756	0.9830	0.9775	0.9812	0.9781	0.9811	0.9684	0.9563	0.9817
68	0.9775	0.9771	0.9822	0.9757	0.9809	0.9757	0.9805	0.9698	0.9294	0.9811
69	0.9949	0.9936	0.9953	0.9936	0.9953	0.9933	0.9948	0.9903	0.9843	0.9951
70	0.9899	0.9884	0.9913	0.9879	0.9907	0.9885	0.9905	0.9830	0.9755	0.9909
71	0.9818	0.9833	0.9912	0.9855	0.9892	0.9859	0.9875	0.9803	0.9609	0.9905
72	0.9886	0.9900	0.9931	0.9884	0.9916	0.9904	0.9918	0.9855	0.9702	0.9921
73	0.9805	0.9776	0.9855	0.9772	0.9835	0.9780	0.9825	0.9683	0.9209	0.9841
74	0.9802	0.9779	0.9842	0.9783	0.9824	0.9795	0.9817	0.9620	0.9412	0.9832
75	0.9893	0.9908	0.9940	0.9912	0.9935	0.9926	0.9930	0.9882	0.9726	0.9940
76	0.9785	0.9787	0.9825	0.9766	0.9820	0.9778	0.9816	0.9733	0.9494	0.9832
77	0.9926	0.9921	0.9944	0.9919	0.9942	0.9926	0.9935	0.9891	0.9769	0.9938
78	0.9721	0.9672	0.9770	0.9660	0.9745	0.9667	0.9726	0.9607	0.9326	0.9768
79	0.9877	0.9864	0.9890	0.9856	0.9886	0.9860	0.9887	0.9775	0.9670	0.9885
80	0.9905	0.9904	0.9932	0.9918	0.9929	0.9912	0.9916	0.9853	0.9707	0.9931
81	0.9855	0.9851	0.9881	0.9853	0.9883	0.9855	0.9873	0.9833	0.9576	0.9872
82	0.9946	0.9982	0.9964	0.9980	0.9979	0.9983	0.9976	0.9959	0.9927	0.9987
83	0.9928	0.9947	0.9967	0.9954	0.9962	0.9957	0.9960	0.9910	0.9759	0.9962
84	0.9927	0.9922	0.9950	0.9932	0.9935	0.9934	0.9941	0.9902	0.9747	0.9945
85	0.9922	0.9914	0.9937	0.9905	0.9936	0.9919	0.9933	0.9880	0.9785	0.9932
86	0.9847	0.9826	0.9874	0.9828	0.9862	0.9837	0.9854	0.9784	0.9662	0.9867
87	0.9825	0.9823	0.9859	0.9798	0.9882	0.9834	0.9866	0.9756	0.9601	0.9864
88	0.9883	0.9912	0.9776	0.9899	0.9917	0.9902	0.9925	0.9883	0.9692	0.9907
89	0.9820	0.9800	0.9859	0.9826	0.9837	0.9810	0.9839	0.9753	0.9465	0.9842
90	0.9835	0.9883	0.9928	0.9874	0.9910	0.9895	0.9915	0.9836	0.9658	0.9914
91	0.9928	0.9915	0.9937	0.9917	0.9937	0.9914	0.9934	0.9887	0.9781	0.9938
92	0.9821	0.9807	0.9871	0.9826	0.9840	0.9811	0.9842	0.9743	0.9586	0.9861
93	0.9835	0.9816	0.9863	0.9833	0.9851	0.9822	0.9847	0.9768	0.9666	0.9860
94	0.9883	0.9918	0.9939	0.9921	0.9946	0.9924	0.9939	0.9885	0.9722	0.9942
95	0.9857	0.9832	0.9874	0.9812	0.9866	0.9828	0.9858	0.9771	0.9586	0.9865
96	0.9869	0.9876	0.9913	0.9878	0.9894	0.9880	0.9896	0.9834	0.9669	0.9908
97	0.9873	0.9855	0.9894	0.9862	0.9867	0.9860	0.9880	0.9808	0.9700	0.9886
98	0.9850	0.9821	0.9883	0.9820	0.9875	0.9839	0.9854	0.9762	0.9469	0.9883
99	0.9673	0.9684	0.9746	0.9652	0.9734	0.9703	0.9726	0.9561	0.9235	0.9734
100	0.9914	0.9909	0.9951	0.9923	0.9945	0.9922	0.9936	0.9892	0.9798	0.9951

Table 47: MS-SSIM error for images 51 to 100 – 128 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
1	0.9914	0.9916	0.9940	0.9920	0.9935	0.9919	0.9930	0.9873	0.9703	0.9931
2	0.9937	0.9936	0.9942	0.9941	0.9950	0.9948	0.9952	0.9916	0.9804	0.9954
3	0.9944	0.9966	0.9985	0.9976	0.9984	0.9980	0.9980	0.9934	0.9877	0.9984
4	0.9856	0.9928	0.9934	0.9938	0.9940	0.9938	0.9938	0.9656	0.9809	0.9941
5	0.9871	0.9900	0.9931	0.9902	0.9923	0.9910	0.9928	0.9830	0.9654	0.9925
6	0.9813	0.9822	0.9835	0.9818	0.9844	0.9823	0.9854	0.9786	0.9564	0.9869
7	0.9963	0.9964	0.9960	0.9965	0.9970	0.9964	0.9969	0.9944	0.9913	0.9968
8	0.9900	0.9916	0.9935	0.9913	0.9941	0.9923	0.9939	0.9879	0.9749	0.9941
9	0.9907	0.9900	0.9930	0.9901	0.9923	0.9895	0.9916	0.9872	0.9716	0.9920
10	0.9972	0.9973	0.9980	0.9973	0.9978	0.9974	0.9978	0.9959	0.9919	0.9979
11	0.9924	0.9927	0.9937	0.9914	0.9938	0.9924	0.9938	0.9891	0.9651	0.9937
12	0.9916	0.9915	0.9931	0.9911	0.9929	0.9915	0.9929	0.9864	0.9748	0.9922
13	0.9910	0.9898	0.9927	0.9891	0.9920	0.9899	0.9916	0.9846	0.9706	0.9921
14	0.9882	0.9888	0.9921	0.9891	0.9908	0.9893	0.9910	0.9853	0.9684	0.9914
15	0.9872	0.9912	0.9881	0.9816	0.9877	0.9830	0.9925	0.9647	0.9105	0.9800
16	0.9960	0.9978	0.9987	0.9982	0.9979	0.9982	0.9983	0.9956	0.9901	0.9983
17	0.9842	0.9873	0.9917	0.9874	0.9891	0.9875	0.9897	0.9812	0.9532	0.9907
18	0.9932	0.9939	0.9964	0.9946	0.9957	0.9950	0.9955	0.9915	0.9825	0.9961
19	0.9900	0.9903	0.9938	0.9906	0.9929	0.9904	0.9923	0.9871	0.9600	0.9929
20	0.9886	0.9885	0.9932	0.9901	0.9911	0.9895	0.9908	0.9835	0.9759	0.9925
21	0.9935	0.9928	0.9950	0.9930	0.9946	0.9936	0.9944	0.9901	0.9790	0.9941
22	0.9965	0.9970	0.9980	0.9980	0.9979	0.9982	0.9980	0.9944	0.9825	0.9977
23	0.9886	0.9973	0.9988	0.9985	0.9983	0.9983	0.9979	0.9873	0.9908	0.9985
24	0.9852	0.9884	0.9924	0.9880	0.9899	0.9890	0.9907	0.9855	0.9662	0.9904
25	0.9876	0.9883	0.9915	0.9875	0.9907	0.9890	0.9908	0.9846	0.9690	0.9908
26	0.9901	0.9904	0.9927	0.9906	0.9922	0.9902	0.9919	0.9875	0.9704	0.9917
27	0.9952	0.9959	0.9951	0.9961	0.9966	0.9964	0.9967	0.9937	0.9832	0.9954
28	0.9836	0.9813	0.9868	0.9817	0.9863	0.9810	0.9853	0.9755	0.9278	0.9862
29	0.9717	0.9711	0.9796	0.9676	0.9771	0.9713	0.9765	0.9667	0.9306	0.9772
30	0.9833	0.9828	0.9910	0.9866	0.9884	0.9852	0.9870	0.9775	0.9479	0.9892
31	0.9712	0.9699	0.9795	0.9698	0.9762	0.9706	0.9750	0.9542	0.9428	0.9770
32	0.9933	0.9930	0.9951	0.9931	0.9948	0.9935	0.9945	0.9911	0.9842	0.9948
33	0.9961	0.9956	0.9970	0.9959	0.9966	0.9956	0.9965	0.9939	0.9867	0.9966
34	0.9884	0.9873	0.9906	0.9879	0.9901	0.9879	0.9895	0.9813	0.9534	0.9886
35	0.9933	0.9927	0.9943	0.9924	0.9941	0.9928	0.9939	0.9895	0.9765	0.9937
36	0.9829	0.9805	0.9859	0.9812	0.9841	0.9819	0.9842	0.9713	0.9616	0.9846
37	0.9863	0.9873	0.9914	0.9874	0.9900	0.9873	0.9898	0.9820	0.9617	0.9903
38	0.9866	0.9908	0.9916	0.9924	0.9942	0.9931	0.9935	0.9849	0.9776	0.9929
39	0.9906	0.9916	0.9943	0.9927	0.9935	0.9927	0.9934	0.9871	0.9713	0.9937
40	0.9892	0.9892	0.9918	0.9883	0.9909	0.9894	0.9907	0.9818	0.9699	0.9909
41	0.9884	0.9878	0.9903	0.9878	0.9897	0.9875	0.9895	0.9828	0.9725	0.9896
42	0.9861	0.9847	0.9889	0.9851	0.9882	0.9847	0.9872	0.9785	0.9670	0.9877
43	0.9844	0.9849	0.9903	0.9856	0.9881	0.9855	0.9882	0.9817	0.9669	0.9896
44	0.9858	0.9844	0.9888	0.9846	0.9877	0.9849	0.9871	0.9785	0.9529	0.9877
45	0.9864	0.9906	0.9929	0.9914	0.9932	0.9918	0.9929	0.9856	0.9668	0.9924
46	0.9790	0.9763	0.9843	0.9764	0.9820	0.9782	0.9807	0.9653	0.9531	0.9824
47	0.9776	0.9773	0.9863	0.9792	0.9832	0.9775	0.9816	0.9714	0.9192	0.9843
48	0.9815	0.9803	0.9863	0.9808	0.9837	0.9820	0.9839	0.9740	0.9507	0.9842
49	0.9880	0.9879	0.9904	0.9879	0.9898	0.9869	0.9893	0.9854	0.9795	0.9894
50	0.9661	0.9623	0.9717	0.9621	0.9691	0.9622	0.9679	0.9532	0.9306	0.9705

Table 48: MS-SSIM error for images 1 to 50 – 256 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
51	0.9827	0.9814	0.9881	0.9824	0.9873	0.9841	0.9860	0.9744	0.9541	0.9874
52	0.9827	0.9815	0.9882	0.9826	0.9865	0.9812	0.9854	0.9756	0.9334	0.9864
53	0.9920	0.9936	0.9969	0.9955	0.9959	0.9950	0.9958	0.9896	0.9739	0.9964
54	0.9705	0.9667	0.9775	0.9693	0.9752	0.9679	0.9728	0.9572	0.9261	0.9755
55	0.9839	0.9865	0.9890	0.9871	0.9902	0.9883	0.9897	0.9814	0.9594	0.9899
56	0.9988	0.9988	0.9990	0.9987	0.9990	0.9989	0.9990	0.9978	0.9964	0.9989
57	0.9864	0.9890	0.9931	0.9889	0.9909	0.9893	0.9911	0.9810	0.9591	0.9924
58	0.9955	0.9951	0.9963	0.9949	0.9961	0.9949	0.9959	0.9929	0.9897	0.9958
59	0.9898	0.9888	0.9921	0.9883	0.9917	0.9900	0.9911	0.9847	0.9770	0.9914
60	0.9961	0.9956	0.9971	0.9957	0.9968	0.9960	0.9967	0.9923	0.9863	0.9965
61	0.9925	0.9923	0.9943	0.9922	0.9937	0.9928	0.9936	0.9851	0.9781	0.9940
62	0.9952	0.9967	0.9979	0.9967	0.9975	0.9967	0.9973	0.9952	0.9870	0.9977
63	0.9923	0.9919	0.9943	0.9929	0.9938	0.9923	0.9935	0.9896	0.9780	0.9939
64	0.9952	0.9963	0.9976	0.9972	0.9978	0.9974	0.9975	0.9933	0.9912	0.9976
65	0.9957	0.9955	0.9965	0.9957	0.9963	0.9957	0.9963	0.9931	0.9865	0.9960
66	0.9875	0.9923	0.9951	0.9925	0.9939	0.9921	0.9939	0.9876	0.9740	0.9939
67	0.9882	0.9861	0.9901	0.9865	0.9891	0.9873	0.9886	0.9809	0.9728	0.9889
68	0.9857	0.9860	0.9895	0.9867	0.9885	0.9856	0.9884	0.9787	0.9425	0.9887
69	0.9967	0.9963	0.9972	0.9961	0.9971	0.9960	0.9969	0.9938	0.9897	0.9968
70	0.9936	0.9931	0.9950	0.9922	0.9945	0.9929	0.9944	0.9896	0.9843	0.9947
71	0.9875	0.9904	0.9953	0.9919	0.9936	0.9924	0.9931	0.9864	0.9751	0.9948
72	0.9925	0.9938	0.9961	0.9941	0.9955	0.9947	0.9954	0.9899	0.9789	0.9952
73	0.9865	0.9865	0.9917	0.9880	0.9899	0.9865	0.9895	0.9798	0.9318	0.9902
74	0.9871	0.9855	0.9901	0.9869	0.9892	0.9869	0.9881	0.9769	0.9531	0.9894
75	0.9915	0.9947	0.9969	0.9956	0.9965	0.9958	0.9963	0.9902	0.9790	0.9969
76	0.9873	0.9868	0.9898	0.9867	0.9897	0.9876	0.9889	0.9822	0.9629	0.9894
77	0.9952	0.9954	0.9967	0.9953	0.9965	0.9954	0.9963	0.9937	0.9850	0.9962
78	0.9813	0.9801	0.9865	0.9801	0.9836	0.9795	0.9837	0.9724	0.9477	0.9857
79	0.9922	0.9917	0.9933	0.9912	0.9928	0.9916	0.9931	0.9851	0.9794	0.9931
80	0.9935	0.9937	0.9960	0.9951	0.9959	0.9950	0.9945	0.9897	0.9828	0.9957
81	0.9909	0.9911	0.9927	0.9919	0.9928	0.9906	0.9924	0.9882	0.9776	0.9917
82	0.9957	0.9988	0.9984	0.9992	0.9989	0.9992	0.9987	0.9965	0.9899	0.9992
83	0.9939	0.9965	0.9980	0.9973	0.9976	0.9973	0.9975	0.9926	0.9805	0.9976
84	0.9949	0.9952	0.9971	0.9960	0.9961	0.9959	0.9964	0.9931	0.9827	0.9968
85	0.9949	0.9948	0.9963	0.9949	0.9961	0.9952	0.9959	0.9920	0.9867	0.9958
86	0.9899	0.9896	0.9926	0.9897	0.9913	0.9897	0.9915	0.9860	0.9766	0.9917
87	0.9889	0.9893	0.9924	0.9893	0.9924	0.9898	0.9917	0.9854	0.9693	0.9910
88	0.9926	0.9951	0.9897	0.9948	0.9963	0.9952	0.9958	0.9933	0.9803	0.9947
89	0.9890	0.9892	0.9920	0.9898	0.9913	0.9888	0.9910	0.9857	0.9572	0.9909
90	0.9876	0.9916	0.9961	0.9942	0.9952	0.9945	0.9944	0.9873	0.9760	0.9954
91	0.9957	0.9955	0.9967	0.9956	0.9964	0.9955	0.9964	0.9928	0.9877	0.9962
92	0.9891	0.9887	0.9927	0.9898	0.9914	0.9895	0.9909	0.9846	0.9715	0.9922
93	0.9900	0.9894	0.9920	0.9896	0.9917	0.9896	0.9911	0.9860	0.9752	0.9920
94	0.9908	0.9944	0.9965	0.9956	0.9967	0.9956	0.9964	0.9911	0.9766	0.9963
95	0.9910	0.9910	0.9929	0.9888	0.9923	0.9904	0.9926	0.9867	0.9711	0.9922
96	0.9914	0.9919	0.9953	0.9930	0.9937	0.9930	0.9936	0.9884	0.9814	0.9945
97	0.9914	0.9908	0.9939	0.9919	0.9927	0.9917	0.9925	0.9880	0.9807	0.9931
98	0.9896	0.9904	0.9944	0.9912	0.9939	0.9907	0.9929	0.9867	0.9659	0.9937
99	0.9783	0.9801	0.9850	0.9790	0.9841	0.9804	0.9832	0.9691	0.9445	0.9839
100	0.9935	0.9942	0.9975	0.9959	0.9973	0.9962	0.9970	0.9924	0.9863	0.9971

Table 49: MS-SSIM error for images 51 to 100 – 256 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
1	0.4170	0.3908	0.4309	0.3939	0.4219	0.3980	0.4134	0.3757	0.3550	0.4214
2	0.5593	0.5360	0.5723	0.5319	0.5632	0.5470	0.5516	0.5240	0.4774	0.5769
3	0.5800	0.5669	0.6222	0.5593	0.5869	0.5388	0.5860	0.5624	0.4618	0.6052
4	0.4333	0.4100	0.4341	0.4170	0.4381	0.4225	0.4289	0.3956	0.3546	0.4314
5	0.4104	0.3556	0.4306	0.3817	0.4114	0.3971	0.3913	0.3357	0.3340	0.4360
6	0.2952	0.2950	0.3165	0.3256	0.3194	0.2968	0.3090	0.3034	0.2695	0.3187
7	0.4479	0.4347	0.4311	0.4262	0.4482	0.4369	0.4465	0.4246	0.4068	0.4521
8	0.4794	0.4551	0.5317	0.4232	0.4609	0.4535	0.4824	0.4363	0.4095	0.5079
9	0.3746	0.3509	0.3810	0.3591	0.3726	0.3439	0.3662	0.3380	0.3288	0.3740
10	0.5374	0.5132	0.5562	0.5123	0.5472	0.5370	0.5365	0.5005	0.4839	0.5458
11	0.4336	0.4137	0.4786	0.4357	0.4609	0.4232	0.4406	0.4036	0.3412	0.4837
12	0.4213	0.4065	0.4328	0.3963	0.4328	0.3982	0.4242	0.3851	0.3723	0.4309
13	0.3799	0.3629	0.3944	0.3550	0.3827	0.3638	0.3806	0.3414	0.3467	0.3867
14	0.4183	0.3888	0.4369	0.4094	0.4294	0.4086	0.4204	0.3739	0.3591	0.4371
15	0.4039	0.3911	0.4114	0.3907	0.3991	0.3782	0.3988	0.3324	0.3571	0.4198
16	0.6280	0.6263	0.6097	0.6243	0.6324	0.5884	0.6509	0.5786	0.5630	0.6411
17	0.3664	0.3484	0.3923	0.3592	0.3864	0.3539	0.3717	0.3371	0.3116	0.3855
18	0.4899	0.4760	0.5102	0.4514	0.4940	0.4797	0.4979	0.4768	0.4318	0.5062
19	0.4468	0.4257	0.4669	0.4392	0.4568	0.4343	0.4523	0.4169	0.3999	0.4587
20	0.4158	0.4033	0.4122	0.3933	0.4158	0.4027	0.4189	0.3901	0.3810	0.3936
21	0.4356	0.4050	0.4527	0.4137	0.4515	0.4234	0.4424	0.3995	0.3694	0.4425
22	0.5160	0.5128	0.5233	0.5078	0.5371	0.5154	0.5407	0.5023	0.4851	0.5339
23	0.3765	0.4047	0.4248	0.3871	0.4117	0.3987	0.4175	0.3923	0.2947	0.4038
24	0.4096	0.3936	0.4194	0.3820	0.4149	0.4144	0.4141	0.3867	0.3718	0.4139
25	0.4562	0.4370	0.4611	0.4304	0.4309	0.4372	0.4599	0.4241	0.4027	0.4560
26	0.3984	0.3785	0.4074	0.3757	0.4004	0.3737	0.3996	0.3585	0.3303	0.4002
27	0.5834	0.5584	0.5422	0.5598	0.6057	0.5621	0.5793	0.5269	0.5257	0.5794
28	0.3656	0.3312	0.3805	0.3547	0.3665	0.3411	0.3586	0.3296	0.3085	0.3744
29	0.2607	0.2437	0.2702	0.2569	0.2357	0.2518	0.2561	0.2433	0.2355	0.2795
30	0.4010	0.3884	0.4235	0.3983	0.4059	0.3738	0.4105	0.3687	0.3224	0.4246
31	0.2571	0.2315	0.2559	0.2197	0.2519	0.2486	0.2451	0.2322	0.2382	0.2558
32	0.3803	0.3581	0.3963	0.3435	0.3840	0.3572	0.3872	0.3326	0.3457	0.3926
33	0.4919	0.4767	0.5077	0.4749	0.4928	0.4746	0.4977	0.4527	0.4180	0.4986
34	0.3770	0.3559	0.3908	0.3613	0.3701	0.3662	0.3759	0.3393	0.3220	0.3807
35	0.4229	0.4038	0.4410	0.4069	0.4363	0.4145	0.4261	0.3896	0.3558	0.4308
36	0.3372	0.3180	0.3523	0.3194	0.3414	0.3209	0.3365	0.3116	0.3147	0.3495
37	0.3735	0.3613	0.3830	0.3537	0.3761	0.3606	0.3764	0.3443	0.3289	0.3813
38	0.4158	0.4151	0.4097	0.4020	0.4335	0.4161	0.4393	0.4203	0.3697	0.4213
39	0.4454	0.4187	0.4617	0.4188	0.4641	0.4515	0.4459	0.4278	0.3688	0.4677
40	0.4049	0.3788	0.4070	0.3746	0.4025	0.3929	0.3983	0.3694	0.3618	0.4038
41	0.4039	0.3751	0.4170	0.3885	0.4101	0.3812	0.3944	0.3582	0.3648	0.4112
42	0.3279	0.3091	0.3386	0.3047	0.3313	0.3182	0.3227	0.2911	0.2896	0.3366
43	0.3717	0.3582	0.3855	0.3456	0.3801	0.3553	0.3805	0.3406	0.3388	0.3761
44	0.3691	0.3495	0.3814	0.3444	0.3708	0.3665	0.3655	0.3463	0.3450	0.3741
45	0.4221	0.3947	0.4379	0.3993	0.4327	0.4187	0.4204	0.3781	0.3487	0.4342
46	0.3176	0.2851	0.3275	0.2916	0.3118	0.3102	0.3078	0.2702	0.2862	0.3203
47	0.3548	0.3434	0.3614	0.3244	0.3643	0.3454	0.3604	0.3310	0.2945	0.3575
48	0.3899	0.3681	0.4002	0.3804	0.3855	0.3757	0.3906	0.3540	0.3460	0.4170
49	0.3566	0.3567	0.3697	0.3508	0.3609	0.3386	0.3668	0.3538	0.3478	0.3648
50	0.2617	0.2423	0.2752	0.2460	0.2608	0.2543	0.2604	0.2384	0.2383	0.2717

Table 50: VIF error for images 1 to 50 – 32 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
51	0.3372	0.3062	0.3541	0.3002	0.3411	0.3193	0.3296	0.3046	0.3009	0.3508
52	0.3958	0.3630	0.3980	0.3762	0.4038	0.3811	0.3942	0.3626	0.3398	0.4037
53	0.5313	0.5091	0.5530	0.4927	0.5426	0.5084	0.5424	0.4900	0.4248	0.5439
54	0.2940	0.2790	0.3094	0.2834	0.3056	0.2766	0.2993	0.2719	0.2499	0.3095
55	0.3559	0.3397	0.3696	0.3289	0.3477	0.3415	0.3500	0.3171	0.2951	0.3601
56	0.5320	0.5245	0.5455	0.5190	0.5447	0.5202	0.5464	0.5067	0.4746	0.5344
57	0.4169	0.3947	0.4164	0.3983	0.4145	0.4163	0.4177	0.3944	0.3604	0.4148
58	0.4844	0.4581	0.4972	0.4575	0.4951	0.4652	0.4856	0.4456	0.4426	0.4893
59	0.4228	0.3965	0.4367	0.3866	0.4322	0.4118	0.4215	0.3859	0.3850	0.4327
60	0.5282	0.5108	0.5554	0.5169	0.5405	0.5090	0.5389	0.4959	0.4547	0.5595
61	0.4490	0.4217	0.4666	0.4225	0.4184	0.4392	0.4391	0.3828	0.4069	0.4591
62	0.5575	0.5375	0.5703	0.5109	0.5645	0.5445	0.5608	0.5217	0.4887	0.5721
63	0.4093	0.3815	0.4296	0.3846	0.4065	0.3928	0.4090	0.3758	0.3352	0.4178
64	0.4967	0.4986	0.5085	0.4914	0.5096	0.4842	0.5230	0.4794	0.3779	0.4892
65	0.4601	0.4479	0.4792	0.4393	0.4774	0.4643	0.4701	0.4254	0.4070	0.4676
66	0.3843	0.3638	0.4007	0.3590	0.3804	0.3814	0.3841	0.3542	0.3355	0.3985
67	0.3277	0.3078	0.3369	0.3025	0.3263	0.3156	0.3276	0.3030	0.2979	0.3400
68	0.3752	0.3617	0.3975	0.3592	0.3875	0.3512	0.3841	0.3373	0.3029	0.3842
69	0.4738	0.4542	0.4876	0.4553	0.4800	0.4556	0.4748	0.4343	0.3925	0.4848
70	0.4666	0.4306	0.4697	0.4260	0.4649	0.4510	0.4588	0.4038	0.4054	0.4699
71	0.4178	0.3984	0.4424	0.4037	0.4345	0.4081	0.4263	0.3774	0.3368	0.4328
72	0.4510	0.4594	0.4917	0.4262	0.4521	0.4742	0.4812	0.4513	0.3984	0.4696
73	0.3889	0.3574	0.4146	0.3582	0.3747	0.3581	0.3822	0.3512	0.3238	0.4040
74	0.4027	0.3797	0.4130	0.3858	0.4031	0.3999	0.4011	0.3674	0.3524	0.4153
75	0.4981	0.4933	0.5033	0.4686	0.5038	0.4855	0.5113	0.4873	0.4186	0.4971
76	0.3817	0.3682	0.3938	0.3620	0.3859	0.3647	0.3818	0.3402	0.3501	0.3897
77	0.4790	0.4512	0.4904	0.4565	0.4897	0.4623	0.4796	0.4379	0.3977	0.4862
78	0.3463	0.3319	0.3643	0.3349	0.3580	0.3289	0.3546	0.3194	0.2991	0.3649
79	0.4151	0.3900	0.4321	0.3965	0.4259	0.4009	0.4157	0.3779	0.3400	0.4338
80	0.4390	0.4249	0.4457	0.4078	0.4438	0.4246	0.4418	0.4045	0.3848	0.4301
81	0.3891	0.3728	0.4125	0.3748	0.4051	0.3820	0.3929	0.3584	0.3378	0.4086
82	0.5517	0.5502	0.4869	0.5153	0.5818	0.5493	0.5630	0.5309	0.5282	0.5833
83	0.5331	0.5066	0.5553	0.4977	0.5419	0.5387	0.5409	0.4938	0.4419	0.5433
84	0.4919	0.4658	0.5209	0.4722	0.4836	0.4677	0.4923	0.4632	0.3897	0.5171
85	0.5276	0.4921	0.5351	0.5010	0.5267	0.5114	0.5174	0.4667	0.4479	0.5405
86	0.4291	0.3994	0.4338	0.4031	0.4329	0.4174	0.4264	0.3860	0.3701	0.4375
87	0.4959	0.4715	0.5339	0.4710	0.5058	0.4940	0.5076	0.4682	0.4206	0.5281
88	0.4176	0.4196	0.3843	0.4262	0.4720	0.4233	0.4491	0.4094	0.3226	0.4615
89	0.3728	0.3492	0.3879	0.3584	0.3834	0.3505	0.3734	0.3480	0.2861	0.3893
90	0.4716	0.4522	0.4656	0.4308	0.4925	0.4695	0.4770	0.4323	0.4302	0.4455
91	0.5256	0.4926	0.5317	0.4983	0.5272	0.5015	0.5264	0.4730	0.4014	0.5320
92	0.3934	0.3827	0.4159	0.3745	0.3743	0.3691	0.4018	0.3511	0.3538	0.4070
93	0.4316	0.4086	0.4394	0.3968	0.4237	0.4099	0.4277	0.3798	0.3668	0.4418
94	0.4455	0.4287	0.5343	0.4651	0.4680	0.4288	0.4536	0.4064	0.3120	0.5151
95	0.4293	0.3985	0.4364	0.3925	0.4229	0.3979	0.4225	0.3738	0.3729	0.4350
96	0.4735	0.4502	0.4807	0.4268	0.4798	0.4605	0.4752	0.4409	0.4236	0.4811
97	0.4592	0.4106	0.4828	0.4352	0.4400	0.4245	0.4407	0.3978	0.3942	0.4925
98	0.4137	0.4082	0.4513	0.3949	0.4571	0.3655	0.4341	0.3654	0.3608	0.4457
99	0.3436	0.3231	0.3527	0.3137	0.3488	0.3335	0.3446	0.3065	0.3181	0.3479
100	0.5763	0.5586	0.6048	0.5250	0.6059	0.5861	0.5852	0.5458	0.4631	0.6007

Table 51: VIF error for images 51 to 100 – 32 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
1	0.4878	0.4700	0.5069	0.4730	0.4977	0.4678	0.4930	0.4416	0.4235	0.5011
2	0.6244	0.6160	0.6423	0.6108	0.6407	0.6210	0.6343	0.5975	0.5160	0.6540
3	0.6481	0.6620	0.7289	0.6558	0.6886	0.6510	0.6804	0.6305	0.5477	0.7248
4	0.4962	0.4812	0.5025	0.4919	0.5056	0.4820	0.5039	0.4608	0.4207	0.5135
5	0.4974	0.4569	0.5308	0.4578	0.5105	0.4811	0.5019	0.4223	0.3868	0.5399
6	0.3796	0.3760	0.3920	0.3764	0.3986	0.3805	0.3921	0.3575	0.3441	0.3934
7	0.5098	0.5091	0.4903	0.4978	0.5221	0.5057	0.5193	0.4824	0.4660	0.5206
8	0.5763	0.5504	0.6077	0.5330	0.5761	0.5553	0.5881	0.5291	0.4791	0.5979
9	0.4373	0.4284	0.4524	0.4240	0.4510	0.4147	0.4441	0.4038	0.3940	0.4470
10	0.6003	0.5927	0.6277	0.5824	0.6210	0.5949	0.6153	0.5717	0.5431	0.6169
11	0.5237	0.5136	0.5647	0.5195	0.5546	0.5105	0.5409	0.4965	0.4365	0.5618
12	0.4942	0.4813	0.5075	0.4713	0.5033	0.4757	0.4993	0.4550	0.4340	0.5016
13	0.4513	0.4330	0.4652	0.4223	0.4604	0.4356	0.4535	0.4127	0.4101	0.4593
14	0.4879	0.4619	0.5072	0.4703	0.4961	0.4821	0.4883	0.4318	0.3883	0.4989
15	0.4588	0.4647	0.4952	0.4768	0.4902	0.4397	0.4733	0.4021	0.4443	0.4928
16	0.7035	0.7059	0.7036	0.6600	0.7177	0.6894	0.7272	0.6738	0.5957	0.6992
17	0.4559	0.4314	0.4824	0.4435	0.4657	0.4328	0.4627	0.4046	0.3614	0.4711
18	0.5634	0.5627	0.5955	0.5400	0.5824	0.5649	0.5902	0.5487	0.5092	0.5879
19	0.5239	0.5041	0.5457	0.5094	0.5419	0.5168	0.5340	0.4958	0.4561	0.5294
20	0.4823	0.4695	0.4746	0.4645	0.4893	0.4730	0.4836	0.4584	0.4347	0.4692
21	0.5062	0.4859	0.5333	0.4868	0.5255	0.4992	0.5154	0.4692	0.4453	0.5163
22	0.6165	0.6092	0.6079	0.6051	0.6361	0.6191	0.6387	0.5759	0.5369	0.6339
23	0.5387	0.5572	0.5962	0.5343	0.5764	0.5588	0.5833	0.5334	0.3863	0.5418
24	0.4925	0.4775	0.5109	0.4495	0.4986	0.4933	0.5027	0.4733	0.4312	0.4968
25	0.5195	0.5054	0.5421	0.5005	0.5301	0.5128	0.5337	0.4859	0.4699	0.5304
26	0.4654	0.4526	0.4803	0.4489	0.4721	0.4485	0.4704	0.4374	0.4024	0.4762
27	0.6465	0.6389	0.6051	0.6214	0.6712	0.6434	0.6606	0.6109	0.5637	0.6778
28	0.4312	0.4106	0.4557	0.4179	0.4499	0.4062	0.4352	0.3965	0.3480	0.4470
29	0.3428	0.3163	0.3580	0.3320	0.3201	0.3379	0.3377	0.3153	0.2850	0.3691
30	0.4653	0.4506	0.4911	0.4548	0.4797	0.4528	0.4773	0.4293	0.3887	0.4821
31	0.3227	0.3006	0.3430	0.3053	0.3353	0.3119	0.3244	0.2932	0.3025	0.3409
32	0.4690	0.4296	0.4831	0.4374	0.4805	0.4461	0.4668	0.4187	0.4153	0.4780
33	0.5563	0.5357	0.5699	0.5423	0.5646	0.5324	0.5569	0.5139	0.4603	0.5597
34	0.4559	0.4369	0.4763	0.4436	0.4661	0.4493	0.4596	0.4133	0.3631	0.4656
35	0.4833	0.4699	0.5030	0.4733	0.4985	0.4744	0.4905	0.4490	0.4204	0.4956
36	0.4063	0.3820	0.4251	0.3828	0.4129	0.3917	0.4040	0.3671	0.3639	0.4242
37	0.4455	0.4322	0.4588	0.4268	0.4478	0.4260	0.4476	0.4017	0.3881	0.4515
38	0.4978	0.4927	0.4734	0.4842	0.5094	0.4904	0.5155	0.4909	0.4409	0.4829
39	0.5230	0.5063	0.5453	0.5021	0.5400	0.5309	0.5372	0.4860	0.4259	0.5548
40	0.4575	0.4467	0.4775	0.4430	0.4725	0.4531	0.4657	0.4313	0.4186	0.4749
41	0.4704	0.4488	0.4834	0.4485	0.4784	0.4521	0.4658	0.4281	0.4162	0.4797
42	0.3939	0.3801	0.4141	0.3727	0.4082	0.3820	0.3985	0.3649	0.3477	0.4116
43	0.4530	0.4258	0.4670	0.4154	0.4632	0.4230	0.4551	0.4028	0.4024	0.4577
44	0.4323	0.4098	0.4407	0.4100	0.4359	0.4145	0.4289	0.3978	0.3873	0.4305
45	0.5053	0.4814	0.5037	0.4745	0.5162	0.4973	0.5088	0.4518	0.4025	0.4937
46	0.3863	0.3578	0.4010	0.3579	0.3944	0.3841	0.3888	0.3482	0.3445	0.4010
47	0.4288	0.4097	0.4322	0.3958	0.4417	0.4152	0.4329	0.3939	0.3573	0.4374
48	0.4561	0.4340	0.4881	0.4452	0.4671	0.4539	0.4592	0.4206	0.3974	0.4887
49	0.4188	0.4205	0.4395	0.4179	0.4297	0.4042	0.4328	0.4132	0.4121	0.4346
50	0.3303	0.3012	0.3428	0.2980	0.3284	0.3116	0.3215	0.2937	0.3014	0.3364

Table 52: VIF error for images 1 to 50 – 64 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
51	0.4138	0.3870	0.4282	0.3819	0.4250	0.4066	0.4149	0.3756	0.3649	0.4307
52	0.4620	0.4351	0.4789	0.4449	0.4743	0.4430	0.4628	0.4180	0.3906	0.4704
53	0.5821	0.5649	0.6217	0.5799	0.6146	0.5750	0.5986	0.5509	0.4843	0.6127
54	0.3583	0.3357	0.3800	0.3374	0.3677	0.3400	0.3593	0.3277	0.3019	0.3771
55	0.4392	0.4304	0.4574	0.4225	0.4519	0.4416	0.4467	0.4154	0.3730	0.4457
56	0.6032	0.5914	0.6123	0.5779	0.6145	0.5867	0.6107	0.5683	0.5460	0.6037
57	0.4815	0.4722	0.4991	0.4651	0.4985	0.4803	0.4937	0.4625	0.4086	0.4856
58	0.5568	0.5321	0.5731	0.5372	0.5613	0.5284	0.5549	0.5118	0.5032	0.5664
59	0.4893	0.4682	0.5089	0.4599	0.5111	0.4812	0.4937	0.4481	0.4400	0.5045
60	0.5983	0.5870	0.6366	0.5928	0.6234	0.5831	0.6188	0.5438	0.5240	0.6351
61	0.5193	0.5046	0.5504	0.4976	0.5155	0.5171	0.5273	0.4543	0.4563	0.5436
62	0.6207	0.6103	0.6475	0.6050	0.6486	0.6301	0.6360	0.5959	0.5457	0.6436
63	0.4868	0.4804	0.5139	0.4689	0.4988	0.4753	0.5050	0.4529	0.3941	0.5060
64	0.5894	0.5778	0.5718	0.5562	0.6024	0.5720	0.5962	0.5630	0.4781	0.5757
65	0.5241	0.5067	0.5410	0.5079	0.5357	0.5177	0.5310	0.4874	0.4599	0.5265
66	0.4836	0.4824	0.5217	0.4586	0.5031	0.4804	0.5066	0.4605	0.4215	0.5039
67	0.4027	0.3737	0.4151	0.3692	0.4048	0.3825	0.3982	0.3577	0.3604	0.4115
68	0.4472	0.4331	0.4679	0.4368	0.4572	0.4225	0.4541	0.3962	0.3697	0.4606
69	0.5377	0.5133	0.5528	0.5186	0.5443	0.5188	0.5345	0.4906	0.4499	0.5444
70	0.5294	0.5081	0.5632	0.5040	0.5404	0.5200	0.5343	0.4802	0.4685	0.5546
71	0.5011	0.4727	0.5387	0.4754	0.5205	0.4855	0.4999	0.4578	0.3985	0.5246
72	0.5475	0.5522	0.5870	0.5164	0.5454	0.5550	0.5788	0.5333	0.4703	0.5705
73	0.4588	0.4300	0.4893	0.4456	0.4526	0.4318	0.4581	0.4128	0.3694	0.4675
74	0.4678	0.4469	0.4856	0.4465	0.4795	0.4654	0.4700	0.4285	0.3926	0.4822
75	0.5715	0.5764	0.5930	0.5443	0.5955	0.5742	0.6005	0.5605	0.4844	0.5765
76	0.4545	0.4325	0.4632	0.4214	0.4558	0.4369	0.4493	0.4154	0.4043	0.4559
77	0.5469	0.5249	0.5615	0.5209	0.5621	0.5329	0.5514	0.5101	0.4652	0.5560
78	0.4066	0.3907	0.4360	0.3937	0.4281	0.3889	0.4144	0.3814	0.3608	0.4367
79	0.4849	0.4590	0.5029	0.4675	0.4946	0.4614	0.4859	0.4437	0.4149	0.5020
80	0.5057	0.5009	0.5206	0.4832	0.5230	0.4963	0.5183	0.4726	0.4402	0.5056
81	0.4626	0.4461	0.4871	0.4440	0.4806	0.4415	0.4727	0.4267	0.4055	0.4772
82	0.6440	0.6636	0.5456	0.6152	0.6620	0.6429	0.6483	0.6289	0.5911	0.6803
83	0.5908	0.5832	0.6323	0.5946	0.6194	0.6082	0.6127	0.5538	0.5003	0.6162
84	0.5555	0.5397	0.6031	0.5559	0.5616	0.5450	0.5714	0.5272	0.4449	0.5901
85	0.5859	0.5619	0.6046	0.5542	0.6030	0.5756	0.5867	0.5363	0.4968	0.5980
86	0.4886	0.4688	0.5097	0.4709	0.5039	0.4884	0.4944	0.4482	0.4365	0.5025
87	0.5586	0.5455	0.5932	0.5344	0.5697	0.5605	0.5760	0.5298	0.4775	0.5932
88	0.5070	0.5071	0.4612	0.5243	0.5642	0.5287	0.5528	0.4979	0.4033	0.5573
89	0.4450	0.4228	0.4619	0.4352	0.4491	0.4249	0.4452	0.4088	0.3582	0.4572
90	0.5667	0.5525	0.5749	0.5383	0.5927	0.5745	0.5843	0.5359	0.5074	0.5515
91	0.5739	0.5581	0.6053	0.5549	0.5928	0.5637	0.5844	0.5339	0.4853	0.6004
92	0.4744	0.4544	0.4913	0.4501	0.4574	0.4525	0.4765	0.4390	0.4223	0.4829
93	0.4913	0.4731	0.5118	0.4751	0.4924	0.4689	0.4974	0.4527	0.4243	0.5085
94	0.5162	0.5199	0.6010	0.5536	0.5770	0.5422	0.5458	0.5060	0.3659	0.5968
95	0.4928	0.4733	0.5148	0.4616	0.5077	0.4744	0.4970	0.4469	0.4340	0.5056
96	0.5409	0.5236	0.5521	0.5213	0.5560	0.5268	0.5501	0.5178	0.4764	0.5487
97	0.5297	0.5071	0.5671	0.5155	0.5320	0.5215	0.5318	0.4771	0.4344	0.5599
98	0.5053	0.4734	0.5408	0.4907	0.5397	0.4841	0.5050	0.4488	0.4149	0.5296
99	0.4051	0.3931	0.4246	0.3867	0.4150	0.4016	0.4098	0.3652	0.3595	0.4134
100	0.6479	0.6391	0.6737	0.6124	0.6814	0.6511	0.6667	0.6250	0.5362	0.6711

Table 53: VIF error for images 51 to 100 – 64 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
1	0.5557	0.5434	0.5784	0.5400	0.5728	0.5397	0.5669	0.5051	0.4863	0.5698
2	0.7021	0.6905	0.7101	0.6956	0.7248	0.7051	0.7144	0.6746	0.6023	0.7379
3	0.6844	0.7393	0.7955	0.7379	0.7783	0.7401	0.7750	0.6877	0.6088	0.7934
4	0.5639	0.5505	0.5604	0.5638	0.5776	0.5576	0.5739	0.5257	0.4749	0.5827
5	0.5656	0.5661	0.6281	0.5634	0.6100	0.5632	0.6040	0.5176	0.4595	0.6310
6	0.4562	0.4548	0.4686	0.4601	0.4787	0.4526	0.4770	0.4304	0.3956	0.4753
7	0.5734	0.5681	0.5537	0.5593	0.5824	0.5661	0.5827	0.5424	0.5241	0.5828
8	0.6209	0.6283	0.6774	0.6333	0.6589	0.6419	0.6659	0.5961	0.5455	0.6682
9	0.5110	0.4970	0.5286	0.4924	0.5227	0.4845	0.5143	0.4705	0.4490	0.5212
10	0.6669	0.6588	0.6929	0.6484	0.6909	0.6673	0.6795	0.6312	0.5859	0.6852
11	0.6027	0.5991	0.6509	0.5945	0.6365	0.5956	0.6282	0.5638	0.4846	0.6428
12	0.5636	0.5499	0.5782	0.5431	0.5778	0.5514	0.5693	0.5205	0.4843	0.5756
13	0.5231	0.5097	0.5447	0.5018	0.5374	0.5061	0.5322	0.4802	0.4728	0.5388
14	0.5462	0.5280	0.5710	0.5312	0.5634	0.5398	0.5549	0.5027	0.4439	0.5613
15	0.5444	0.5548	0.5751	0.5438	0.5545	0.5152	0.5722	0.4930	0.5093	0.5663
16	0.7499	0.7699	0.7792	0.7137	0.7978	0.7586	0.7925	0.7429	0.6973	0.7667
17	0.5200	0.5138	0.5673	0.5234	0.5435	0.5118	0.5491	0.4845	0.4120	0.5554
18	0.6412	0.6341	0.6696	0.6298	0.6601	0.6415	0.6604	0.6155	0.5681	0.6636
19	0.5930	0.5831	0.6238	0.5817	0.6209	0.5792	0.6129	0.5563	0.5037	0.6151
20	0.5450	0.5355	0.5447	0.5212	0.5577	0.5407	0.5529	0.5222	0.4805	0.5476
21	0.5676	0.5580	0.6083	0.5558	0.6024	0.5721	0.5864	0.5378	0.4948	0.5987
22	0.6844	0.6751	0.6799	0.6784	0.7191	0.7104	0.7127	0.6442	0.5777	0.7053
23	0.6444	0.6595	0.7181	0.6733	0.7115	0.6878	0.7013	0.6524	0.4803	0.6907
24	0.5627	0.5513	0.5874	0.5296	0.5795	0.5676	0.5771	0.5441	0.4974	0.5791
25	0.5968	0.5850	0.6225	0.5752	0.6081	0.5874	0.6131	0.5604	0.5168	0.6148
26	0.5333	0.5217	0.5519	0.5247	0.5380	0.5183	0.5412	0.5039	0.4513	0.5429
27	0.7184	0.7066	0.6865	0.7038	0.7369	0.7075	0.7300	0.6683	0.6062	0.7305
28	0.4977	0.4849	0.5302	0.4869	0.5197	0.4736	0.5077	0.4601	0.4163	0.5180
29	0.4046	0.3993	0.4457	0.3942	0.4247	0.4013	0.4248	0.4005	0.3317	0.4426
30	0.5333	0.5194	0.5543	0.5211	0.5474	0.5173	0.5433	0.4981	0.4373	0.5493
31	0.4091	0.3857	0.4332	0.3830	0.4181	0.3950	0.4141	0.3659	0.3610	0.4310
32	0.5410	0.5148	0.5648	0.5075	0.5613	0.5215	0.5478	0.4953	0.4784	0.5584
33	0.6065	0.5944	0.6288	0.5995	0.6223	0.5922	0.6137	0.5728	0.4980	0.6201
34	0.5342	0.5154	0.5518	0.5179	0.5382	0.5233	0.5364	0.4934	0.4180	0.5428
35	0.5447	0.5343	0.5644	0.5352	0.5558	0.5348	0.5529	0.5079	0.4745	0.5552
36	0.4802	0.4554	0.5032	0.4513	0.4933	0.4615	0.4813	0.4289	0.4312	0.4963
37	0.5119	0.5006	0.5320	0.4956	0.5225	0.4996	0.5191	0.4685	0.4458	0.5230
38	0.5622	0.5547	0.5446	0.5514	0.5940	0.5680	0.5883	0.5505	0.4889	0.5655
39	0.5844	0.5821	0.6316	0.5835	0.6205	0.5968	0.6158	0.5508	0.4804	0.6241
40	0.5265	0.5140	0.5481	0.5165	0.5385	0.5145	0.5361	0.4870	0.4652	0.5401
41	0.5349	0.5155	0.5520	0.5222	0.5432	0.5142	0.5337	0.4902	0.4773	0.5414
42	0.4689	0.4498	0.4911	0.4536	0.4842	0.4473	0.4710	0.4336	0.3943	0.4858
43	0.5242	0.5019	0.5493	0.4926	0.5430	0.5031	0.5341	0.4766	0.4739	0.5452
44	0.4882	0.4757	0.5077	0.4799	0.4989	0.4791	0.4943	0.4612	0.4314	0.4991
45	0.5685	0.5506	0.5781	0.5438	0.5801	0.5629	0.5762	0.5266	0.4555	0.5638
46	0.4631	0.4372	0.4840	0.4372	0.4778	0.4571	0.4654	0.4175	0.4130	0.4800
47	0.5000	0.4815	0.5194	0.4762	0.5163	0.4811	0.5061	0.4684	0.4025	0.5202
48	0.5348	0.5206	0.5739	0.5320	0.5511	0.5399	0.5476	0.5029	0.4559	0.5595
49	0.4858	0.4817	0.5076	0.4765	0.4991	0.4705	0.4955	0.4681	0.4701	0.5006
50	0.4013	0.3759	0.4167	0.3731	0.4051	0.3860	0.3990	0.3586	0.3562	0.4138

Table 54: VIF error for images 1 to 50 – 128 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
51	0.4819	0.4705	0.5108	0.4602	0.5086	0.4823	0.5006	0.4486	0.4319	0.5128
52	0.5267	0.5079	0.5552	0.5066	0.5456	0.5127	0.5354	0.4843	0.4392	0.5469
53	0.6379	0.6338	0.6890	0.6446	0.6750	0.6580	0.6674	0.6103	0.5390	0.6762
54	0.4265	0.4040	0.4489	0.3998	0.4433	0.4105	0.4296	0.3868	0.3455	0.4379
55	0.5128	0.5054	0.5266	0.4884	0.5348	0.5096	0.5237	0.4967	0.4424	0.5366
56	0.6608	0.6523	0.6737	0.6385	0.6759	0.6518	0.6696	0.6242	0.5869	0.6678
57	0.5514	0.5470	0.5782	0.5375	0.5742	0.5499	0.5741	0.5285	0.4700	0.5596
58	0.6166	0.6019	0.6398	0.6002	0.6272	0.5985	0.6258	0.5752	0.5484	0.6300
59	0.5499	0.5353	0.5777	0.5282	0.5738	0.5466	0.5623	0.5123	0.4905	0.5731
60	0.6722	0.6524	0.7057	0.6516	0.6870	0.6593	0.6836	0.6072	0.5680	0.6956
61	0.5868	0.5769	0.6214	0.5753	0.5906	0.5899	0.6011	0.5153	0.5024	0.6161
62	0.6792	0.6759	0.7134	0.6741	0.7132	0.6841	0.7010	0.6608	0.5900	0.7104
63	0.5568	0.5494	0.5834	0.5468	0.5736	0.5477	0.5712	0.5221	0.4633	0.5747
64	0.6536	0.6532	0.6442	0.6302	0.6850	0.6480	0.6755	0.6366	0.5369	0.6643
65	0.5822	0.5690	0.5993	0.5735	0.5956	0.5740	0.5892	0.5495	0.5038	0.5910
66	0.5638	0.5888	0.6302	0.5626	0.6146	0.5778	0.6147	0.5233	0.4857	0.6181
67	0.4696	0.4478	0.4896	0.4462	0.4797	0.4531	0.4765	0.4195	0.4295	0.4854
68	0.5120	0.5024	0.5394	0.5029	0.5341	0.4957	0.5227	0.4750	0.4016	0.5304
69	0.5967	0.5772	0.6155	0.5814	0.6106	0.5689	0.5983	0.5457	0.5131	0.6068
70	0.5992	0.5805	0.6312	0.5824	0.6186	0.5925	0.6091	0.5476	0.5381	0.6265
71	0.5680	0.5617	0.6188	0.5657	0.6130	0.5743	0.5986	0.5346	0.4622	0.6023
72	0.6208	0.6355	0.6796	0.6195	0.6615	0.6309	0.6625	0.6135	0.5202	0.6624
73	0.5271	0.5101	0.5561	0.5159	0.5325	0.5132	0.5371	0.4880	0.4169	0.5471
74	0.5281	0.5135	0.5524	0.5120	0.5409	0.5235	0.5359	0.4919	0.4472	0.5441
75	0.6580	0.6507	0.6687	0.6291	0.6753	0.6576	0.6742	0.6400	0.5505	0.6652
76	0.5162	0.5061	0.5365	0.5023	0.5266	0.5051	0.5260	0.4860	0.4664	0.5305
77	0.6102	0.5942	0.6329	0.5897	0.6296	0.5990	0.6211	0.5734	0.5081	0.6223
78	0.4829	0.4640	0.5046	0.4676	0.4970	0.4635	0.4878	0.4426	0.4085	0.5058
79	0.5441	0.5227	0.5680	0.5296	0.5631	0.5305	0.5486	0.4992	0.4745	0.5600
80	0.5738	0.5666	0.5813	0.5586	0.5904	0.5624	0.5836	0.5354	0.4956	0.5790
81	0.5343	0.5196	0.5619	0.5171	0.5551	0.5202	0.5456	0.4888	0.4589	0.5540
82	0.7214	0.7399	0.6395	0.7103	0.7499	0.7344	0.7228	0.7049	0.6599	0.7513
83	0.6481	0.6486	0.6915	0.6527	0.6834	0.6748	0.6752	0.6154	0.5492	0.6825
84	0.6184	0.6132	0.6684	0.6284	0.6428	0.6296	0.6502	0.5900	0.5218	0.6647
85	0.6416	0.6272	0.6699	0.6231	0.6641	0.6315	0.6529	0.5941	0.5580	0.6605
86	0.5512	0.5339	0.5723	0.5332	0.5655	0.5448	0.5574	0.5170	0.4889	0.5660
87	0.6228	0.6125	0.6592	0.6181	0.6514	0.6220	0.6431	0.5930	0.5190	0.6545
88	0.5741	0.6006	0.5498	0.5950	0.6429	0.6028	0.6555	0.5663	0.4722	0.6355
89	0.5095	0.4960	0.5323	0.5012	0.5210	0.4953	0.5154	0.4794	0.4070	0.5222
90	0.6415	0.6486	0.6636	0.6182	0.6754	0.6607	0.6804	0.6327	0.5679	0.6537
91	0.6448	0.6280	0.6711	0.6312	0.6606	0.6272	0.6566	0.5985	0.5293	0.6633
92	0.5361	0.5256	0.5655	0.5245	0.5462	0.5218	0.5461	0.5025	0.4745	0.5547
93	0.5540	0.5418	0.5803	0.5409	0.5649	0.5388	0.5658	0.5186	0.4866	0.5750
94	0.5673	0.6081	0.6552	0.6250	0.6624	0.6153	0.6466	0.5710	0.4831	0.6616
95	0.5676	0.5519	0.5949	0.5459	0.5885	0.5522	0.5781	0.5250	0.4967	0.5891
96	0.6043	0.5961	0.6212	0.5826	0.6269	0.6013	0.6200	0.5825	0.5293	0.6167
97	0.5915	0.5799	0.6297	0.5868	0.6032	0.5801	0.6086	0.5506	0.5007	0.6278
98	0.5792	0.5600	0.6302	0.5665	0.6181	0.5788	0.5958	0.5352	0.4653	0.6225
99	0.4705	0.4628	0.4974	0.4578	0.4862	0.4662	0.4827	0.4349	0.4190	0.4900
100	0.7087	0.7024	0.7527	0.7011	0.7477	0.7184	0.7333	0.6923	0.6047	0.7437

Table 55: VIF error for images 51 to 100 – 128 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
1	0.6150	0.6112	0.6434	0.6096	0.6386	0.6086	0.6346	0.5712	0.5407	0.6325
2	0.7518	0.7452	0.7819	0.7654	0.7932	0.7782	0.7797	0.7267	0.6606	0.8008
3	0.7268	0.7823	0.8479	0.8085	0.8422	0.8193	0.8234	0.7173	0.6608	0.8393
4	0.6488	0.6143	0.6161	0.6293	0.6504	0.6287	0.6383	0.5851	0.5334	0.6476
5	0.6273	0.6514	0.7179	0.6498	0.6923	0.6589	0.6938	0.6050	0.5268	0.7031
6	0.5234	0.5375	0.5440	0.5334	0.5618	0.5401	0.5587	0.5113	0.4587	0.5538
7	0.6301	0.6257	0.6091	0.6240	0.6423	0.6251	0.6410	0.5935	0.5858	0.6363
8	0.6726	0.6856	0.7352	0.6976	0.7325	0.7012	0.7266	0.6577	0.5898	0.7307
9	0.5787	0.5677	0.6022	0.5704	0.5947	0.5580	0.5862	0.5419	0.5099	0.5895
10	0.7129	0.7136	0.7457	0.7141	0.7447	0.7209	0.7370	0.6881	0.6399	0.7376
11	0.6723	0.6746	0.7239	0.6781	0.7131	0.6812	0.7019	0.6398	0.5370	0.7112
12	0.6257	0.6189	0.6522	0.6186	0.6437	0.6201	0.6395	0.5795	0.5518	0.6398
13	0.5902	0.5777	0.6148	0.5714	0.6059	0.5759	0.5997	0.5461	0.5397	0.6037
14	0.6054	0.5933	0.6360	0.5983	0.6241	0.6016	0.6187	0.5623	0.4991	0.6195
15	0.6430	0.6534	0.6726	0.6345	0.6551	0.6089	0.6671	0.5714	0.5771	0.6630
16	0.7878	0.8262	0.8385	0.7976	0.8590	0.8263	0.8502	0.7993	0.7364	0.8149
17	0.5831	0.5933	0.6506	0.5982	0.6230	0.5933	0.6250	0.5597	0.4911	0.6337
18	0.6984	0.6990	0.7392	0.6952	0.7310	0.7158	0.7268	0.6747	0.6072	0.7277
19	0.6518	0.6503	0.6932	0.6472	0.6862	0.6465	0.6771	0.6282	0.5395	0.6792
20	0.6045	0.5994	0.6108	0.5892	0.6208	0.5995	0.6171	0.5773	0.5400	0.6099
21	0.6345	0.6294	0.6770	0.6309	0.6705	0.6410	0.6584	0.6040	0.5452	0.6600
22	0.7297	0.7305	0.7480	0.7515	0.7897	0.7705	0.7707	0.6996	0.6227	0.7672
23	0.6923	0.7002	0.8023	0.7675	0.7981	0.7771	0.7551	0.6889	0.5686	0.7844
24	0.6236	0.6235	0.6600	0.6095	0.6552	0.6371	0.6497	0.6135	0.5595	0.6442
25	0.6532	0.6567	0.6992	0.6426	0.6792	0.6566	0.6838	0.6261	0.5747	0.6861
26	0.5988	0.5917	0.6232	0.5980	0.6137	0.5891	0.6108	0.5729	0.5002	0.6111
27	0.7668	0.7607	0.7409	0.7593	0.7914	0.7670	0.7806	0.7268	0.6691	0.7731
28	0.5680	0.5572	0.6004	0.5595	0.5874	0.5486	0.5812	0.5340	0.4622	0.5886
29	0.4852	0.4806	0.5260	0.4726	0.5152	0.4843	0.5080	0.4770	0.4025	0.5135
30	0.5893	0.5839	0.6189	0.5871	0.6133	0.5853	0.6059	0.5589	0.5002	0.6130
31	0.4897	0.4789	0.5313	0.4750	0.5141	0.4793	0.5073	0.4376	0.4343	0.5186
32	0.6021	0.5862	0.6324	0.5843	0.6276	0.5936	0.6168	0.5629	0.5433	0.6232
33	0.6615	0.6489	0.6852	0.6577	0.6782	0.6473	0.6698	0.6265	0.5633	0.6740
34	0.6015	0.5875	0.6233	0.5941	0.6122	0.5885	0.6084	0.5580	0.4860	0.6085
35	0.6035	0.5946	0.6234	0.5951	0.6192	0.5926	0.6124	0.5651	0.5236	0.6123
36	0.5414	0.5301	0.5717	0.5277	0.5614	0.5361	0.5567	0.4892	0.4930	0.5637
37	0.5766	0.5680	0.6011	0.5669	0.5935	0.5681	0.5899	0.5381	0.5061	0.5897
38	0.6329	0.6295	0.6115	0.6300	0.6724	0.6366	0.6606	0.6166	0.5614	0.6334
39	0.6382	0.6502	0.7060	0.6592	0.6952	0.6732	0.6849	0.6142	0.5328	0.6953
40	0.5869	0.5805	0.6134	0.5780	0.6055	0.5790	0.6004	0.5430	0.5275	0.6027
41	0.5912	0.5825	0.6145	0.5861	0.6092	0.5808	0.6004	0.5474	0.5378	0.6035
42	0.5367	0.5272	0.5675	0.5266	0.5625	0.5232	0.5492	0.5029	0.4773	0.5580
43	0.5882	0.5796	0.6229	0.5745	0.6157	0.5808	0.6106	0.5600	0.5344	0.6151
44	0.5522	0.5450	0.5757	0.5454	0.5679	0.5435	0.5633	0.5210	0.4930	0.5646
45	0.6336	0.6200	0.6461	0.6221	0.6552	0.6330	0.6478	0.5934	0.5144	0.6343
46	0.5279	0.5116	0.5608	0.5092	0.5493	0.5275	0.5413	0.4888	0.4755	0.5515
47	0.5620	0.5545	0.6007	0.5555	0.5949	0.5617	0.5834	0.5339	0.4528	0.5978
48	0.5985	0.5977	0.6462	0.6016	0.6261	0.6072	0.6211	0.5679	0.5032	0.6354
49	0.5491	0.5463	0.5757	0.5456	0.5663	0.5342	0.5620	0.5249	0.5245	0.5630
50	0.4698	0.4512	0.4987	0.4467	0.4877	0.4549	0.4774	0.4330	0.4214	0.4918

Table 56: VIF error for images 1 to 50 – 256 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
51	0.5600	0.5463	0.5976	0.5430	0.5941	0.5642	0.5797	0.5174	0.4802	0.5940
52	0.5933	0.5773	0.6200	0.5745	0.6127	0.5846	0.6064	0.5559	0.4951	0.6042
53	0.6884	0.6903	0.7477	0.7118	0.7325	0.7113	0.7261	0.6562	0.5627	0.7338
54	0.4889	0.4730	0.5167	0.4746	0.5095	0.4757	0.4959	0.4506	0.3991	0.5069
55	0.5825	0.5840	0.6059	0.5856	0.6217	0.5899	0.6173	0.5720	0.5033	0.6073
56	0.7121	0.7065	0.7288	0.7003	0.7305	0.7090	0.7250	0.6765	0.6558	0.7218
57	0.6184	0.6208	0.6469	0.6103	0.6502	0.6249	0.6456	0.5901	0.5288	0.6371
58	0.6697	0.6630	0.6967	0.6593	0.6903	0.6575	0.6850	0.6326	0.6110	0.6845
59	0.6107	0.6013	0.6482	0.6014	0.6399	0.6097	0.6292	0.5712	0.5456	0.6354
60	0.7224	0.7190	0.7655	0.7243	0.7509	0.7224	0.7476	0.6760	0.6102	0.7530
61	0.6448	0.6434	0.6814	0.6472	0.6611	0.6473	0.6657	0.6040	0.5694	0.6734
62	0.7370	0.7371	0.7727	0.7338	0.7704	0.7382	0.7599	0.7189	0.6487	0.7651
63	0.6137	0.6103	0.6470	0.6120	0.6357	0.6103	0.6322	0.5830	0.5313	0.6344
64	0.7097	0.7243	0.7129	0.7080	0.7494	0.7205	0.7434	0.7020	0.6352	0.7244
65	0.6352	0.6284	0.6572	0.6311	0.6520	0.6291	0.6461	0.6064	0.5505	0.6462
66	0.6342	0.6736	0.7210	0.6620	0.7094	0.6707	0.7038	0.6247	0.5507	0.7041
67	0.5388	0.5224	0.5605	0.5203	0.5487	0.5259	0.5477	0.4833	0.4977	0.5507
68	0.5763	0.5716	0.6063	0.5749	0.5969	0.5634	0.5909	0.5327	0.4645	0.5931
69	0.6479	0.6353	0.6703	0.6391	0.6653	0.6287	0.6555	0.5986	0.5689	0.6591
70	0.6592	0.6492	0.6953	0.6487	0.6825	0.6522	0.6775	0.6098	0.5912	0.6863
71	0.6343	0.6347	0.6851	0.6384	0.6818	0.6488	0.6663	0.6005	0.5302	0.6713
72	0.6817	0.7022	0.7476	0.7033	0.7360	0.7134	0.7355	0.6819	0.5891	0.7245
73	0.5844	0.5785	0.6245	0.5882	0.6059	0.5816	0.6039	0.5506	0.4706	0.6139
74	0.5863	0.5767	0.6129	0.5775	0.6030	0.5807	0.5990	0.5542	0.5066	0.6032
75	0.7184	0.7139	0.7377	0.7078	0.7457	0.7297	0.7392	0.7060	0.6135	0.7418
76	0.5852	0.5778	0.6073	0.5742	0.6036	0.5766	0.5963	0.5518	0.5263	0.5984
77	0.6667	0.6585	0.6954	0.6587	0.6909	0.6601	0.6827	0.6382	0.5777	0.6819
78	0.5434	0.5325	0.5754	0.5346	0.5629	0.5301	0.5563	0.5107	0.4778	0.5670
79	0.5973	0.5871	0.6258	0.5944	0.6197	0.5913	0.6095	0.5537	0.5200	0.6157
80	0.6349	0.6280	0.6416	0.6239	0.6533	0.6261	0.6466	0.5952	0.5418	0.6394
81	0.5988	0.5873	0.6305	0.5868	0.6229	0.5860	0.6124	0.5492	0.5110	0.6180
82	0.7753	0.7983	0.7107	0.7864	0.8244	0.8069	0.7906	0.7643	0.7052	0.7946
83	0.6940	0.7033	0.7428	0.7139	0.7365	0.7179	0.7271	0.6622	0.5940	0.7308
84	0.6693	0.6723	0.7270	0.6921	0.7042	0.6913	0.7073	0.6420	0.5862	0.7173
85	0.6967	0.6868	0.7236	0.6874	0.7160	0.6885	0.7091	0.6466	0.6111	0.7134
86	0.6052	0.5968	0.6357	0.5981	0.6262	0.5989	0.6189	0.5733	0.5460	0.6250
87	0.6819	0.6764	0.7220	0.6786	0.7101	0.6847	0.7039	0.6567	0.5640	0.7144
88	0.6346	0.6790	0.6325	0.6784	0.7204	0.6856	0.7319	0.6378	0.5462	0.7026
89	0.5680	0.5648	0.5991	0.5724	0.5909	0.5606	0.5833	0.5397	0.4556	0.5842
90	0.7054	0.7213	0.7343	0.7132	0.7540	0.7361	0.7523	0.6974	0.6315	0.7346
91	0.6970	0.6897	0.7310	0.6936	0.7214	0.6965	0.7144	0.6549	0.5999	0.7192
92	0.6023	0.5949	0.6321	0.5934	0.6171	0.5922	0.6161	0.5645	0.5314	0.6207
93	0.6179	0.6050	0.6466	0.6050	0.6367	0.6044	0.6294	0.5809	0.5291	0.6342
94	0.6222	0.6648	0.7103	0.6854	0.7202	0.6869	0.7085	0.6167	0.5234	0.7081
95	0.6314	0.6283	0.6653	0.6180	0.6622	0.6276	0.6544	0.5982	0.5665	0.6560
96	0.6652	0.6585	0.6868	0.6527	0.6901	0.6665	0.6821	0.6428	0.5933	0.6753
97	0.6489	0.6469	0.6911	0.6579	0.6761	0.6492	0.6717	0.6179	0.5781	0.6829
98	0.6353	0.6388	0.7027	0.6552	0.6936	0.6419	0.6773	0.6126	0.5264	0.6923
99	0.5391	0.5353	0.5682	0.5253	0.5604	0.5354	0.5549	0.4962	0.4819	0.5588
100	0.7516	0.7601	0.8135	0.7705	0.8086	0.7814	0.8000	0.7398	0.6557	0.7931

Table 57: VIF error for images 51 to 100 – 256 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
1	0.8997	0.8924	0.9097	0.8960	0.9091	0.8964	0.9009	0.8825	0.8446	0.9154
2	0.9663	0.8965	0.9772	0.9700	0.9663	0.7509	0.9672	0.9581	0.7311	0.9714
3	0.9809	0.9875	0.9919	0.9870	0.9855	0.9871	0.9885	0.9653	0.9670	0.9920
4	0.4604	0.8347	0.9505	0.8798	0.8413	0.8435	0.8557	0.4428	0.5865	0.9394
5	0.9842	0.9827	0.9846	0.9818	0.9838	0.9822	0.9846	0.9585	0.9591	0.9820
6	0.9393	0.9513	0.9447	0.9448	0.9511	0.9477	0.9520	0.9436	0.9305	0.9564
7	0.9596	0.9694	0.9682	0.9684	0.9692	0.9700	0.9706	0.9605	0.9542	0.9732
8	0.9410	0.9531	0.9582	0.9427	0.9533	0.9485	0.9561	0.9403	0.9338	0.9573
9	0.8273	0.8165	0.8331	0.8235	0.8259	0.8219	0.8234	0.8085	0.7694	0.8410
10	0.9879	0.9851	0.9886	0.9855	0.9898	0.9871	0.9871	0.9786	0.9692	0.9868
11	0.9623	0.9607	0.9588	0.9522	0.9593	0.9603	0.9634	0.9480	0.9389	0.9546
12	0.8669	0.8683	0.8757	0.8532	0.8632	0.8611	0.8756	0.8520	0.8319	0.8585
13	0.9419	0.9373	0.9465	0.9258	0.9388	0.9378	0.9425	0.9185	0.8960	0.9445
14	0.8717	0.8977	0.9234	0.9259	0.9112	0.8996	0.9041	0.8859	0.8650	0.9354
15	0.9205	0.8377	0.8520	0.8361	0.8407	0.8426	0.8444	0.8035	0.8209	0.8587
16	0.9758	0.9786	0.9831	0.9760	0.9773	0.9792	0.9842	0.9664	0.9610	0.9821
17	0.8989	0.9046	0.9223	0.9061	0.9102	0.9154	0.9111	0.8962	0.8605	0.9232
18	0.9251	0.9356	0.9415	0.9262	0.9351	0.9344	0.9384	0.9331	0.9042	0.9514
19	0.9672	0.9694	0.9754	0.9699	0.9752	0.9727	0.9728	0.9652	0.9512	0.9702
20	0.9314	0.9500	0.9657	0.9595	0.9513	0.9548	0.9556	0.9283	0.9272	0.9630
21	0.9798	0.9778	0.9836	0.9815	0.9800	0.9802	0.9808	0.9713	0.9428	0.9828
22	0.8048	0.8578	0.9271	0.8959	0.8728	0.8626	0.8627	0.8432	0.6172	0.9247
23	0.5508	0.9425	0.9419	0.9383	0.9415	0.9405	0.8844	0.5741	0.8188	0.9371
24	0.9942	0.9926	0.9937	0.9911	0.9936	0.9939	0.9935	0.9908	0.9909	0.9927
25	0.9888	0.9841	0.9875	0.9853	0.9876	0.9874	0.9866	0.9854	0.9808	0.9870
26	0.8131	0.8604	0.8612	0.8432	0.8554	0.8507	0.8774	0.8354	0.7923	0.8702
27	0.8994	0.9147	0.9404	0.9341	0.9297	0.9155	0.9152	0.8853	0.5250	0.9314
28	0.9435	0.9427	0.9487	0.9385	0.9434	0.9396	0.9476	0.9266	0.9049	0.9475
29	0.8535	0.8686	0.8795	0.8624	0.8686	0.8682	0.8724	0.8481	0.8484	0.8759
30	0.9794	0.9829	0.9858	0.9798	0.9857	0.9803	0.9843	0.9734	0.9475	0.9838
31	0.8423	0.8492	0.8586	0.8443	0.8588	0.8525	0.8546	0.8451	0.8301	0.8551
32	0.9826	0.9794	0.9835	0.9774	0.9824	0.9767	0.9836	0.9722	0.9716	0.9832
33	0.9884	0.9871	0.9900	0.9877	0.9881	0.9876	0.9888	0.9822	0.9790	0.9876
34	0.8199	0.8540	0.8698	0.8491	0.8664	0.8666	0.8659	0.8462	0.8017	0.8632
35	0.9770	0.9763	0.9817	0.9788	0.9810	0.9778	0.9784	0.9684	0.9469	0.9785
36	0.9560	0.9508	0.9588	0.9503	0.9535	0.9508	0.9565	0.9449	0.9336	0.9624
37	0.8607	0.9139	0.9181	0.8885	0.9228	0.9132	0.9240	0.8944	0.8417	0.9076
38	0.9913	0.9915	0.9867	0.9842	0.9914	0.9916	0.9924	0.9899	0.9874	0.9902
39	0.9777	0.9865	0.9903	0.9831	0.9885	0.9865	0.9885	0.9783	0.9690	0.9894
40	0.9584	0.9546	0.9625	0.9501	0.9577	0.9572	0.9585	0.9520	0.9274	0.9625
41	0.8233	0.7812	0.8055	0.8273	0.7958	0.7917	0.7903	0.7662	0.7490	0.8585
42	0.8826	0.8932	0.9040	0.8953	0.8954	0.9032	0.9022	0.8668	0.8558	0.9075
43	0.9797	0.9791	0.9830	0.9758	0.9834	0.9782	0.9819	0.9752	0.9700	0.9803
44	0.9579	0.9538	0.9603	0.9543	0.9583	0.9547	0.9559	0.9508	0.9363	0.9600
45	0.9731	0.9814	0.9832	0.9799	0.9815	0.9818	0.9832	0.9736	0.9610	0.9825
46	0.9619	0.9563	0.9647	0.9557	0.9592	0.9624	0.9602	0.9487	0.9408	0.9649
47	0.9263	0.9235	0.9265	0.9207	0.9279	0.9218	0.9275	0.9170	0.8920	0.9212
48	0.8337	0.8362	0.8534	0.8355	0.8508	0.8507	0.8504	0.8400	0.8210	0.8443
49	0.9447	0.9378	0.9434	0.9379	0.9426	0.9385	0.9437	0.9260	0.9271	0.9440
50	0.9036	0.8955	0.8963	0.8871	0.8966	0.8918	0.8995	0.8778	0.8803	0.8946

Table 58: UQI error for images 1 to 50 – 32 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
51	0.9802	0.9803	0.9830	0.9803	0.9818	0.9795	0.9819	0.9783	0.9705	0.9833
52	0.9859	0.9845	0.9871	0.9830	0.9854	0.9840	0.9862	0.9819	0.9702	0.9850
53	0.9966	0.9963	0.9973	0.9961	0.9969	0.9960	0.9969	0.9949	0.9933	0.9954
54	0.9499	0.9479	0.9540	0.9454	0.9505	0.9430	0.9528	0.9387	0.9199	0.9512
55	0.9861	0.9853	0.9833	0.9832	0.9877	0.9855	0.9874	0.9815	0.9811	0.9843
56	0.9943	0.9937	0.9949	0.9933	0.9948	0.9933	0.9949	0.9918	0.9857	0.9941
57	0.9874	0.9869	0.9865	0.9829	0.9871	0.9867	0.9881	0.9834	0.9780	0.9852
58	0.9778	0.9779	0.9815	0.9731	0.9814	0.9737	0.9799	0.9641	0.9564	0.9760
59	0.9737	0.9701	0.9751	0.9656	0.9763	0.9705	0.9735	0.9604	0.9567	0.9743
60	0.9878	0.9879	0.9901	0.9846	0.9885	0.9869	0.9891	0.9791	0.9736	0.9868
61	0.9744	0.9696	0.9758	0.9673	0.9722	0.9726	0.9729	0.9436	0.9393	0.9748
62	0.9925	0.9911	0.9922	0.9880	0.9918	0.9915	0.9926	0.9868	0.9870	0.9915
63	0.9487	0.9402	0.9550	0.9385	0.9553	0.9487	0.9502	0.9450	0.9094	0.9589
64	0.9858	0.9887	0.9881	0.9851	0.9907	0.9884	0.9905	0.9843	0.9828	0.9855
65	0.9870	0.9849	0.9872	0.9832	0.9870	0.9867	0.9865	0.9801	0.9801	0.9867
66	0.9524	0.9604	0.9697	0.9641	0.9657	0.9645	0.9667	0.9536	0.9244	0.9679
67	0.9725	0.9657	0.9723	0.9665	0.9743	0.9665	0.9695	0.9560	0.9561	0.9702
68	0.9031	0.9015	0.9136	0.8921	0.9105	0.9016	0.9083	0.8779	0.8489	0.9165
69	0.9794	0.9771	0.9797	0.9742	0.9788	0.9756	0.9795	0.9726	0.9560	0.9790
70	0.9673	0.9640	0.9736	0.9559	0.9685	0.9653	0.9664	0.9588	0.9509	0.9708
71	0.9794	0.9779	0.9759	0.9724	0.9808	0.9802	0.9801	0.9754	0.9583	0.9778
72	0.9793	0.9791	0.9806	0.9755	0.9796	0.9792	0.9819	0.9761	0.9678	0.9768
73	0.9457	0.9515	0.9613	0.9458	0.9523	0.9475	0.9536	0.9385	0.9237	0.9628
74	0.9724	0.9708	0.9779	0.9713	0.9751	0.9702	0.9741	0.9559	0.9540	0.9750
75	0.9883	0.9891	0.9870	0.9809	0.9872	0.9873	0.9902	0.9875	0.9824	0.9868
76	0.8404	0.8617	0.8710	0.8523	0.8664	0.8646	0.8681	0.8332	0.8178	0.8834
77	0.9383	0.9553	0.9656	0.9489	0.9600	0.9569	0.9631	0.9434	0.9140	0.9641
78	0.9730	0.9690	0.9724	0.9643	0.9727	0.9661	0.9719	0.9592	0.9567	0.9701
79	0.9748	0.9709	0.9768	0.9708	0.9743	0.9722	0.9750	0.9635	0.9572	0.9739
80	0.6468	0.8449	0.9177	0.8897	0.8623	0.8726	0.8670	0.7089	0.7152	0.9185
81	0.9574	0.9552	0.9627	0.9511	0.9636	0.9551	0.9607	0.9499	0.9298	0.9648
82	0.9895	0.9987	0.9951	0.9979	0.9983	0.9982	0.9988	0.9896	0.9895	0.9985
83	0.9640	0.9249	0.9598	0.9431	0.9256	0.9568	0.9538	0.9261	0.8983	0.9790
84	0.9890	0.9884	0.9892	0.9842	0.9895	0.9877	0.9899	0.9847	0.9798	0.9876
85	0.9226	0.8983	0.9196	0.8998	0.9082	0.9042	0.9070	0.8805	0.8732	0.9383
86	0.9834	0.9804	0.9848	0.9822	0.9821	0.9818	0.9835	0.9766	0.9712	0.9841
87	0.9640	0.9711	0.9760	0.9686	0.9746	0.9721	0.9753	0.9607	0.9598	0.9726
88	0.9956	0.9947	0.9911	0.9939	0.9953	0.9949	0.9951	0.9920	0.9906	0.9929
89	0.9255	0.9251	0.9364	0.9273	0.9331	0.9226	0.9339	0.9177	0.8734	0.9366
90	0.9900	0.9900	0.9883	0.9864	0.9896	0.9905	0.9907	0.9892	0.9857	0.9886
91	0.9735	0.9758	0.9805	0.9788	0.9798	0.9786	0.9794	0.9604	0.9431	0.9814
92	0.9548	0.9584	0.9598	0.9481	0.9496	0.9507	0.9597	0.9381	0.9295	0.9580
93	0.9676	0.9658	0.9710	0.9597	0.9691	0.9676	0.9689	0.9561	0.9439	0.9697
94	0.9906	0.9895	0.9871	0.9855	0.9907	0.9898	0.9909	0.9847	0.9857	0.9867
95	0.9344	0.9315	0.9369	0.9190	0.9353	0.9283	0.9365	0.9193	0.9052	0.9344
96	0.9742	0.9764	0.9789	0.9714	0.9786	0.9794	0.9785	0.9735	0.9648	0.9766
97	0.9744	0.9686	0.9807	0.9681	0.9686	0.9706	0.9743	0.9640	0.9593	0.9764
98	0.9734	0.9733	0.9725	0.9616	0.9749	0.9723	0.9780	0.9623	0.9634	0.9724
99	0.9034	0.9316	0.9367	0.9219	0.9361	0.9309	0.9369	0.9056	0.8908	0.9376
100	0.9941	0.9936	0.9950	0.9927	0.9940	0.9941	0.9948	0.9906	0.9858	0.9947

Table 59: UQI error for images 51 to 100 – 32 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
1	0.9203	0.9238	0.9373	0.9238	0.9277	0.9209	0.9279	0.9025	0.8727	0.9406
2	0.9718	0.9767	0.9867	0.9759	0.9833	0.9815	0.9779	0.9660	0.7388	0.9804
3	0.9849	0.9935	0.9960	0.9916	0.9921	0.9923	0.9929	0.9678	0.9719	0.9954
4	0.4750	0.8700	0.9707	0.8918	0.8546	0.8532	0.7754	0.4635	0.6617	0.9700
5	0.9873	0.9900	0.9896	0.9880	0.9900	0.9894	0.9914	0.9720	0.9793	0.9883
6	0.9477	0.9583	0.9576	0.9577	0.9592	0.9610	0.9604	0.9566	0.9405	0.9628
7	0.9657	0.9779	0.9747	0.9768	0.9778	0.9764	0.9784	0.9716	0.9624	0.9799
8	0.9470	0.9603	0.9670	0.9594	0.9648	0.9632	0.9622	0.9520	0.9454	0.9648
9	0.8416	0.8631	0.8675	0.8546	0.8617	0.8496	0.8664	0.8399	0.7983	0.8721
10	0.9921	0.9935	0.9939	0.9912	0.9949	0.9927	0.9939	0.9859	0.9769	0.9930
11	0.9703	0.9690	0.9683	0.9676	0.9674	0.9676	0.9717	0.9606	0.9560	0.9667
12	0.8954	0.8869	0.8883	0.8832	0.8780	0.8851	0.8944	0.8762	0.8501	0.8719
13	0.9612	0.9595	0.9628	0.9480	0.9642	0.9590	0.9641	0.9464	0.9178	0.9627
14	0.8948	0.9221	0.9482	0.9417	0.9271	0.9348	0.9261	0.8893	0.8727	0.9506
15	0.9354	0.8561	0.8918	0.8906	0.8638	0.8691	0.8577	0.8430	0.8338	0.8786
16	0.9804	0.9877	0.9877	0.9846	0.9863	0.9876	0.9819	0.9773	0.9696	0.9877
17	0.9166	0.9333	0.9419	0.9273	0.9336	0.9342	0.9395	0.9146	0.8874	0.9376
18	0.9339	0.9549	0.9626	0.9516	0.9501	0.9556	0.9550	0.9348	0.9210	0.9701
19	0.9787	0.9826	0.9842	0.9795	0.9825	0.9815	0.9835	0.9760	0.9595	0.9820
20	0.9613	0.9661	0.9789	0.9669	0.9689	0.9661	0.9704	0.9376	0.9358	0.9755
21	0.9856	0.9865	0.9902	0.9882	0.9888	0.9875	0.9883	0.9794	0.9652	0.9890
22	0.8560	0.8906	0.9218	0.8996	0.8914	0.8831	0.8853	0.8178	0.6281	0.9368
23	0.5517	0.9527	0.9515	0.9487	0.9459	0.9454	0.8757	0.5644	0.8254	0.9489
24	0.9965	0.9966	0.9970	0.9959	0.9966	0.9969	0.9971	0.9957	0.9940	0.9963
25	0.9930	0.9918	0.9932	0.9904	0.9921	0.9920	0.9933	0.9900	0.9888	0.9933
26	0.8224	0.8797	0.8950	0.8750	0.8852	0.8876	0.8914	0.8746	0.8125	0.8839
27	0.9087	0.9414	0.9562	0.9405	0.9429	0.9451	0.9458	0.9278	0.5296	0.9585
28	0.9577	0.9618	0.9645	0.9571	0.9623	0.9552	0.9651	0.9496	0.9191	0.9631
29	0.8641	0.8934	0.8993	0.8798	0.8936	0.8871	0.9001	0.8770	0.8672	0.8906
30	0.9890	0.9882	0.9916	0.9890	0.9911	0.9879	0.9897	0.9799	0.9747	0.9897
31	0.8767	0.8629	0.8772	0.8711	0.8753	0.8689	0.8693	0.8753	0.8420	0.8722
32	0.9887	0.9893	0.9913	0.9885	0.9910	0.9885	0.9909	0.9867	0.9842	0.9911
33	0.9930	0.9919	0.9937	0.9924	0.9932	0.9917	0.9932	0.9888	0.9835	0.9927
34	0.8330	0.8921	0.9053	0.8936	0.9023	0.8961	0.9041	0.8715	0.8169	0.9042
35	0.9847	0.9852	0.9885	0.9863	0.9875	0.9858	0.9873	0.9764	0.9670	0.9877
36	0.9698	0.9653	0.9761	0.9714	0.9707	0.9691	0.9689	0.9637	0.9459	0.9763
37	0.8634	0.9424	0.9520	0.9385	0.9443	0.9395	0.9558	0.9069	0.8616	0.9410
38	0.9936	0.9943	0.9920	0.9926	0.9948	0.9949	0.9950	0.9934	0.9920	0.9921
39	0.9878	0.9922	0.9938	0.9931	0.9934	0.9926	0.9932	0.9817	0.9819	0.9938
40	0.9697	0.9707	0.9756	0.9682	0.9723	0.9716	0.9745	0.9652	0.9508	0.9742
41	0.8547	0.8111	0.8826	0.8770	0.8227	0.8498	0.8470	0.8079	0.7638	0.8902
42	0.8963	0.9124	0.9315	0.9204	0.9243	0.9260	0.9276	0.9150	0.8757	0.9238
43	0.9889	0.9882	0.9894	0.9852	0.9914	0.9879	0.9900	0.9841	0.9787	0.9906
44	0.9641	0.9643	0.9683	0.9628	0.9663	0.9643	0.9658	0.9580	0.9464	0.9687
45	0.9831	0.9873	0.9891	0.9863	0.9878	0.9881	0.9890	0.9733	0.9667	0.9879
46	0.9715	0.9704	0.9746	0.9675	0.9730	0.9721	0.9738	0.9638	0.9536	0.9738
47	0.9298	0.9350	0.9393	0.9329	0.9390	0.9344	0.9358	0.9274	0.9098	0.9372
48	0.8414	0.8624	0.8790	0.8576	0.8663	0.8657	0.8672	0.8551	0.8281	0.8680
49	0.9600	0.9568	0.9618	0.9548	0.9598	0.9549	0.9597	0.9538	0.9431	0.9613
50	0.9205	0.9059	0.9142	0.9087	0.9096	0.9084	0.9129	0.8980	0.8951	0.9086

Table 60: UQI error for images 1 to 50 – 64 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
51	0.9882	0.9876	0.9883	0.9864	0.9867	0.9883	0.9886	0.9834	0.9799	0.9864
52	0.9916	0.9906	0.9924	0.9900	0.9915	0.9898	0.9919	0.9867	0.9789	0.9909
53	0.9977	0.9978	0.9983	0.9977	0.9982	0.9977	0.9982	0.9968	0.9944	0.9977
54	0.9649	0.9620	0.9689	0.9608	0.9645	0.9608	0.9670	0.9552	0.9368	0.9671
55	0.9898	0.9910	0.9902	0.9877	0.9922	0.9909	0.9919	0.9881	0.9865	0.9889
56	0.9968	0.9964	0.9969	0.9958	0.9971	0.9964	0.9970	0.9951	0.9920	0.9965
57	0.9913	0.9904	0.9911	0.9894	0.9912	0.9912	0.9916	0.9893	0.9838	0.9905
58	0.9858	0.9859	0.9874	0.9828	0.9869	0.9830	0.9873	0.9792	0.9695	0.9856
59	0.9833	0.9812	0.9850	0.9794	0.9843	0.9796	0.9836	0.9746	0.9668	0.9835
60	0.9927	0.9922	0.9941	0.9922	0.9938	0.9919	0.9936	0.9833	0.9838	0.9928
61	0.9801	0.9810	0.9834	0.9784	0.9838	0.9826	0.9846	0.9608	0.9544	0.9817
62	0.9948	0.9946	0.9952	0.9941	0.9952	0.9953	0.9953	0.9924	0.9913	0.9952
63	0.9576	0.9654	0.9718	0.9645	0.9692	0.9671	0.9699	0.9573	0.9274	0.9725
64	0.9885	0.9922	0.9904	0.9905	0.9937	0.9927	0.9930	0.9903	0.9873	0.9916
65	0.9903	0.9891	0.9912	0.9889	0.9907	0.9904	0.9905	0.9868	0.9850	0.9902
66	0.9557	0.9790	0.9828	0.9774	0.9804	0.9790	0.9827	0.9618	0.9581	0.9818
67	0.9805	0.9791	0.9830	0.9765	0.9814	0.9791	0.9822	0.9685	0.9720	0.9827
68	0.9215	0.9237	0.9378	0.9258	0.9315	0.9221	0.9305	0.9042	0.8759	0.9416
69	0.9855	0.9835	0.9877	0.9841	0.9863	0.9845	0.9859	0.9807	0.9659	0.9862
70	0.9768	0.9726	0.9820	0.9768	0.9788	0.9787	0.9750	0.9671	0.9636	0.9814
71	0.9855	0.9857	0.9866	0.9844	0.9884	0.9857	0.9878	0.9822	0.9712	0.9871
72	0.9795	0.9852	0.9855	0.9824	0.9847	0.9851	0.9861	0.9776	0.9744	0.9847
73	0.9539	0.9675	0.9737	0.9617	0.9679	0.9615	0.9729	0.9574	0.9306	0.9723
74	0.9821	0.9807	0.9853	0.9792	0.9842	0.9810	0.9832	0.9713	0.9590	0.9853
75	0.9910	0.9926	0.9919	0.9887	0.9933	0.9927	0.9934	0.9913	0.9870	0.9918
76	0.8610	0.8891	0.9008	0.8810	0.8943	0.8940	0.8945	0.8661	0.8335	0.9073
77	0.9439	0.9669	0.9777	0.9697	0.9727	0.9707	0.9750	0.9510	0.9364	0.9771
78	0.9814	0.9778	0.9809	0.9755	0.9825	0.9779	0.9806	0.9739	0.9633	0.9802
79	0.9835	0.9826	0.9848	0.9804	0.9841	0.9819	0.9845	0.9791	0.9736	0.9834
80	0.6932	0.8981	0.9385	0.9257	0.8914	0.9027	0.9080	0.7115	0.7411	0.9386
81	0.9679	0.9691	0.9777	0.9688	0.9779	0.9701	0.9732	0.9671	0.9427	0.9751
82	0.9901	0.9995	0.9992	0.9992	0.9987	0.9993	0.9993	0.9900	0.9961	0.9996
83	0.9710	0.9332	0.9793	0.9767	0.9327	0.9618	0.9598	0.9289	0.9088	0.9855
84	0.9934	0.9927	0.9936	0.9913	0.9940	0.9931	0.9938	0.9898	0.9858	0.9931
85	0.9362	0.9247	0.9422	0.9366	0.9286	0.9328	0.9369	0.9259	0.8862	0.9541
86	0.9903	0.9876	0.9912	0.9886	0.9898	0.9889	0.9897	0.9846	0.9839	0.9903
87	0.9731	0.9806	0.9840	0.9803	0.9823	0.9807	0.9842	0.9691	0.9692	0.9811
88	0.9970	0.9973	0.9935	0.9963	0.9974	0.9972	0.9976	0.9959	0.9940	0.9972
89	0.9448	0.9440	0.9560	0.9485	0.9513	0.9470	0.9501	0.9319	0.9110	0.9554
90	0.9916	0.9924	0.9948	0.9928	0.9935	0.9944	0.9934	0.9920	0.9906	0.9925
91	0.9846	0.9856	0.9901	0.9863	0.9885	0.9869	0.9877	0.9724	0.9678	0.9895
92	0.9685	0.9674	0.9736	0.9665	0.9670	0.9667	0.9701	0.9606	0.9515	0.9731
93	0.9753	0.9775	0.9812	0.9773	0.9783	0.9771	0.9798	0.9725	0.9612	0.9802
94	0.9933	0.9927	0.9919	0.9894	0.9940	0.9931	0.9936	0.9905	0.9889	0.9917
95	0.9498	0.9481	0.9517	0.9393	0.9515	0.9492	0.9527	0.9375	0.9194	0.9506
96	0.9780	0.9855	0.9864	0.9814	0.9844	0.9859	0.9871	0.9792	0.9723	0.9843
97	0.9793	0.9830	0.9890	0.9826	0.9855	0.9856	0.9861	0.9753	0.9659	0.9878
98	0.9775	0.9837	0.9841	0.9734	0.9850	0.9847	0.9863	0.9767	0.9766	0.9831
99	0.9110	0.9524	0.9523	0.9451	0.9495	0.9489	0.9536	0.9125	0.9087	0.9527
100	0.9970	0.9964	0.9972	0.9962	0.9971	0.9967	0.9971	0.9934	0.9916	0.9971

Table 61: UQI error for images 51 to 100 – 64 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
1	0.9337	0.9453	0.9579	0.9465	0.9506	0.9442	0.9505	0.9233	0.8935	0.9536
2	0.9798	0.9796	0.9894	0.9833	0.9855	0.9854	0.9805	0.9739	0.7504	0.9901
3	0.9877	0.9955	0.9976	0.9959	0.9964	0.9965	0.9962	0.9663	0.9763	0.9969
4	0.4866	0.8805	0.9802	0.9000	0.8694	0.9048	0.8016	0.4726	0.6920	0.9275
5	0.9891	0.9933	0.9941	0.9916	0.9946	0.9940	0.9944	0.9859	0.9859	0.9937
6	0.9463	0.9682	0.9683	0.9672	0.9687	0.9721	0.9702	0.9557	0.9493	0.9705
7	0.9709	0.9814	0.9807	0.9806	0.9837	0.9819	0.9831	0.9755	0.9666	0.9839
8	0.9606	0.9665	0.9715	0.9694	0.9690	0.9684	0.9682	0.9514	0.9529	0.9721
9	0.8736	0.8805	0.8917	0.8805	0.8876	0.8820	0.8867	0.8620	0.8306	0.8948
10	0.9953	0.9959	0.9968	0.9957	0.9971	0.9958	0.9961	0.9902	0.9828	0.9961
11	0.9743	0.9741	0.9738	0.9727	0.9750	0.9737	0.9756	0.9701	0.9615	0.9725
12	0.9124	0.8966	0.9009	0.8966	0.8895	0.8996	0.9020	0.8821	0.8558	0.8868
13	0.9729	0.9726	0.9761	0.9691	0.9769	0.9717	0.9764	0.9655	0.9392	0.9761
14	0.9311	0.9321	0.9700	0.9491	0.9437	0.9502	0.9390	0.9001	0.8937	0.9605
15	0.9499	0.8721	0.9020	0.9011	0.8714	0.8878	0.8914	0.8778	0.8602	0.8903
16	0.9819	0.9895	0.9899	0.9900	0.9890	0.9899	0.9836	0.9793	0.9748	0.9884
17	0.9236	0.9476	0.9531	0.9490	0.9472	0.9477	0.9504	0.9236	0.9037	0.9482
18	0.9449	0.9626	0.9696	0.9658	0.9632	0.9666	0.9605	0.9368	0.9357	0.9706
19	0.9835	0.9870	0.9896	0.9872	0.9885	0.9886	0.9885	0.9798	0.9683	0.9902
20	0.9719	0.9757	0.9860	0.9801	0.9786	0.9761	0.9784	0.9428	0.9378	0.9820
21	0.9922	0.9913	0.9943	0.9926	0.9929	0.9919	0.9922	0.9824	0.9724	0.9942
22	0.8630	0.8901	0.9593	0.9124	0.8963	0.9100	0.8896	0.8180	0.6325	0.9370
23	0.5530	0.9551	0.9569	0.9556	0.9490	0.9567	0.8809	0.5564	0.8284	0.9525
24	0.9982	0.9980	0.9983	0.9978	0.9983	0.9982	0.9983	0.9972	0.9953	0.9982
25	0.9949	0.9963	0.9966	0.9951	0.9966	0.9959	0.9968	0.9941	0.9931	0.9964
26	0.8303	0.9040	0.9144	0.9031	0.9048	0.9095	0.9190	0.8907	0.8335	0.9030
27	0.9234	0.9500	0.9681	0.9551	0.9570	0.9572	0.9559	0.9339	0.5344	0.9695
28	0.9650	0.9711	0.9755	0.9681	0.9731	0.9665	0.9744	0.9533	0.9345	0.9742
29	0.8760	0.9126	0.9141	0.9001	0.9109	0.9089	0.9186	0.8918	0.8746	0.9087
30	0.9931	0.9932	0.9948	0.9929	0.9945	0.9932	0.9941	0.9859	0.9798	0.9943
31	0.9058	0.8884	0.8955	0.8901	0.8950	0.8890	0.8946	0.8859	0.8643	0.8889
32	0.9932	0.9933	0.9950	0.9933	0.9948	0.9932	0.9943	0.9909	0.9900	0.9947
33	0.9955	0.9950	0.9963	0.9952	0.9958	0.9950	0.9958	0.9923	0.9867	0.9959
34	0.8612	0.9151	0.9289	0.9158	0.9252	0.9218	0.9248	0.8875	0.8365	0.9232
35	0.9923	0.9913	0.9932	0.9912	0.9922	0.9907	0.9920	0.9854	0.9793	0.9925
36	0.9796	0.9792	0.9847	0.9807	0.9815	0.9807	0.9829	0.9728	0.9655	0.9842
37	0.8670	0.9567	0.9687	0.9557	0.9642	0.9638	0.9689	0.9117	0.8746	0.9532
38	0.9958	0.9967	0.9953	0.9962	0.9973	0.9968	0.9974	0.9958	0.9942	0.9963
39	0.9920	0.9953	0.9969	0.9956	0.9962	0.9956	0.9958	0.9815	0.9892	0.9964
40	0.9748	0.9797	0.9838	0.9794	0.9808	0.9784	0.9823	0.9695	0.9590	0.9819
41	0.8743	0.8916	0.9063	0.8948	0.8427	0.8693	0.8912	0.8721	0.7787	0.9082
42	0.9055	0.9396	0.9499	0.9387	0.9439	0.9445	0.9545	0.9285	0.8861	0.9421
43	0.9924	0.9939	0.9947	0.9915	0.9947	0.9933	0.9947	0.9906	0.9871	0.9940
44	0.9684	0.9721	0.9746	0.9701	0.9716	0.9714	0.9733	0.9623	0.9529	0.9748
45	0.9870	0.9911	0.9917	0.9911	0.9916	0.9917	0.9919	0.9756	0.9696	0.9914
46	0.9791	0.9791	0.9839	0.9765	0.9825	0.9804	0.9809	0.9730	0.9649	0.9814
47	0.9394	0.9452	0.9537	0.9417	0.9494	0.9497	0.9492	0.9362	0.9156	0.9480
48	0.8502	0.8793	0.8897	0.8818	0.8810	0.8876	0.8818	0.8581	0.8404	0.8801
49	0.9727	0.9676	0.9731	0.9677	0.9719	0.9679	0.9705	0.9671	0.9634	0.9727
50	0.9379	0.9179	0.9251	0.9174	0.9183	0.9187	0.9243	0.9135	0.9028	0.9178

Table 62: UQI error for images 1 to 50 – 128 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
51	0.9900	0.9906	0.9917	0.9906	0.9906	0.9915	0.9912	0.9881	0.9853	0.9916
52	0.9933	0.9933	0.9946	0.9933	0.9944	0.9934	0.9944	0.9903	0.9846	0.9940
53	0.9986	0.9986	0.9990	0.9986	0.9990	0.9987	0.9989	0.9977	0.9968	0.9988
54	0.9742	0.9716	0.9798	0.9727	0.9762	0.9736	0.9757	0.9663	0.9522	0.9761
55	0.9932	0.9940	0.9931	0.9910	0.9944	0.9938	0.9948	0.9914	0.9893	0.9939
56	0.9981	0.9979	0.9983	0.9974	0.9984	0.9979	0.9982	0.9971	0.9938	0.9982
57	0.9944	0.9949	0.9947	0.9927	0.9942	0.9943	0.9956	0.9916	0.9889	0.9944
58	0.9896	0.9912	0.9927	0.9894	0.9921	0.9901	0.9920	0.9867	0.9764	0.9914
59	0.9889	0.9873	0.9905	0.9861	0.9897	0.9881	0.9899	0.9835	0.9759	0.9901
60	0.9959	0.9955	0.9965	0.9952	0.9963	0.9956	0.9964	0.9884	0.9886	0.9964
61	0.9852	0.9879	0.9885	0.9859	0.9891	0.9886	0.9890	0.9713	0.9646	0.9889
62	0.9969	0.9967	0.9968	0.9958	0.9972	0.9967	0.9971	0.9956	0.9932	0.9971
63	0.9700	0.9760	0.9815	0.9765	0.9782	0.9760	0.9790	0.9653	0.9461	0.9816
64	0.9890	0.9959	0.9942	0.9934	0.9965	0.9950	0.9950	0.9905	0.9904	0.9951
65	0.9914	0.9922	0.9931	0.9923	0.9929	0.9930	0.9931	0.9907	0.9888	0.9930
66	0.9747	0.9874	0.9912	0.9873	0.9885	0.9864	0.9892	0.9650	0.9733	0.9890
67	0.9869	0.9867	0.9902	0.9876	0.9896	0.9881	0.9888	0.9810	0.9813	0.9894
68	0.9359	0.9453	0.9575	0.9437	0.9512	0.9432	0.9513	0.9268	0.8914	0.9586
69	0.9909	0.9897	0.9923	0.9896	0.9915	0.9892	0.9912	0.9862	0.9784	0.9922
70	0.9831	0.9859	0.9877	0.9841	0.9865	0.9847	0.9875	0.9804	0.9693	0.9877
71	0.9911	0.9914	0.9923	0.9892	0.9928	0.9910	0.9927	0.9859	0.9782	0.9921
72	0.9858	0.9885	0.9879	0.9866	0.9881	0.9887	0.9879	0.9807	0.9799	0.9879
73	0.9621	0.9778	0.9825	0.9752	0.9770	0.9752	0.9801	0.9633	0.9372	0.9787
74	0.9880	0.9884	0.9907	0.9875	0.9895	0.9879	0.9897	0.9798	0.9714	0.9899
75	0.9943	0.9948	0.9945	0.9936	0.9955	0.9954	0.9957	0.9932	0.9913	0.9955
76	0.8768	0.9128	0.9248	0.9138	0.9154	0.9138	0.9187	0.8755	0.8584	0.9287
77	0.9486	0.9790	0.9849	0.9791	0.9807	0.9797	0.9805	0.9542	0.9424	0.9821
78	0.9879	0.9869	0.9881	0.9839	0.9878	0.9855	0.9882	0.9829	0.9731	0.9878
79	0.9888	0.9885	0.9898	0.9881	0.9894	0.9878	0.9901	0.9840	0.9801	0.9902
80	0.7157	0.9207	0.9678	0.9353	0.9108	0.9180	0.8506	0.6649	0.7610	0.9573
81	0.9720	0.9815	0.9853	0.9806	0.9851	0.9797	0.9849	0.9739	0.9601	0.9847
82	0.9907	0.9997	0.9993	0.9996	0.9997	0.9997	0.9994	0.9900	0.9970	0.9996
83	0.9753	0.9498	0.9853	0.9794	0.9363	0.9646	0.9755	0.9593	0.9147	0.9881
84	0.9957	0.9956	0.9961	0.9952	0.9964	0.9958	0.9963	0.9920	0.9892	0.9961
85	0.9484	0.9443	0.9673	0.9467	0.9393	0.9463	0.9546	0.9383	0.8997	0.9417
86	0.9941	0.9932	0.9948	0.9934	0.9942	0.9931	0.9943	0.9909	0.9873	0.9946
87	0.9823	0.9859	0.9888	0.9852	0.9887	0.9865	0.9887	0.9745	0.9729	0.9876
88	0.9978	0.9985	0.9959	0.9981	0.9987	0.9985	0.9987	0.9977	0.9971	0.9982
89	0.9550	0.9634	0.9690	0.9647	0.9658	0.9633	0.9667	0.9434	0.9250	0.9669
90	0.9950	0.9954	0.9959	0.9955	0.9962	0.9963	0.9959	0.9929	0.9913	0.9945
91	0.9894	0.9923	0.9946	0.9917	0.9926	0.9911	0.9933	0.9759	0.9744	0.9935
92	0.9785	0.9789	0.9818	0.9755	0.9787	0.9768	0.9807	0.9712	0.9582	0.9809
93	0.9823	0.9834	0.9880	0.9846	0.9864	0.9848	0.9859	0.9757	0.9704	0.9873
94	0.9957	0.9959	0.9944	0.9939	0.9961	0.9954	0.9964	0.9942	0.9911	0.9949
95	0.9611	0.9622	0.9651	0.9564	0.9641	0.9612	0.9647	0.9519	0.9362	0.9643
96	0.9820	0.9893	0.9901	0.9859	0.9906	0.9894	0.9904	0.9805	0.9775	0.9881
97	0.9896	0.9901	0.9933	0.9916	0.9896	0.9891	0.9911	0.9792	0.9749	0.9926
98	0.9785	0.9886	0.9881	0.9851	0.9907	0.9903	0.9901	0.9799	0.9826	0.9881
99	0.9244	0.9610	0.9648	0.9581	0.9622	0.9618	0.9631	0.9194	0.9286	0.9646
100	0.9981	0.9979	0.9985	0.9980	0.9983	0.9981	0.9984	0.9954	0.9949	0.9982

Table 63: UQI error for images 51 to 100 – 128 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
1	0.9514	0.9566	0.9722	0.9604	0.9646	0.9613	0.9627	0.9286	0.9133	0.9661
2	0.9817	0.9841	0.9929	0.9866	0.9891	0.9901	0.9874	0.9765	0.7533	0.7716
3	0.9881	0.9962	0.9987	0.9977	0.9980	0.9980	0.9968	0.9663	0.9895	0.9980
4	0.6026	0.8867	0.9868	0.9086	0.8654	0.9644	0.8075	0.4722	0.7049	0.9282
5	0.9914	0.9957	0.9962	0.9954	0.9961	0.9960	0.9964	0.9903	0.9896	0.9960
6	0.9501	0.9739	0.9757	0.9759	0.9751	0.9772	0.9741	0.9579	0.9542	0.9768
7	0.9738	0.9862	0.9849	0.9868	0.9871	0.9863	0.9877	0.9781	0.9731	0.9863
8	0.9610	0.9716	0.9755	0.9720	0.9731	0.9739	0.9691	0.9531	0.9568	0.9735
9	0.9017	0.8987	0.9131	0.9033	0.9049	0.9022	0.9066	0.8726	0.8522	0.9106
10	0.9968	0.9977	0.9981	0.9974	0.9982	0.9975	0.9978	0.9931	0.9888	0.9979
11	0.9783	0.9786	0.9782	0.9745	0.9776	0.9782	0.9795	0.9753	0.9669	0.9760
12	0.9275	0.9100	0.9111	0.9083	0.8970	0.9103	0.9187	0.8907	0.8673	0.8940
13	0.9798	0.9832	0.9854	0.9785	0.9856	0.9820	0.9858	0.9745	0.9502	0.9835
14	0.9338	0.9427	0.9777	0.9571	0.9476	0.9566	0.9469	0.9063	0.8995	0.9505
15	0.9598	0.9009	0.9150	0.9101	0.8833	0.9178	0.9166	0.8975	0.8679	0.8804
16	0.9825	0.9905	0.9918	0.9920	0.9898	0.9910	0.9845	0.9805	0.9760	0.9892
17	0.9319	0.9546	0.9597	0.9607	0.9562	0.9584	0.9528	0.9291	0.9178	0.9555
18	0.9494	0.9671	0.9931	0.9708	0.9707	0.9712	0.9666	0.9356	0.9413	0.9745
19	0.9869	0.9908	0.9938	0.9902	0.9915	0.9920	0.9914	0.9818	0.9736	0.9920
20	0.9772	0.9830	0.9906	0.9856	0.9837	0.9835	0.9843	0.9446	0.9495	0.9889
21	0.9954	0.9951	0.9968	0.9958	0.9955	0.9953	0.9959	0.9850	0.9825	0.9966
22	0.8791	0.8932	0.9760	0.9210	0.9316	0.9464	0.8947	0.8279	0.6361	0.7143
23	0.5789	0.9576	0.9629	0.9609	0.9504	0.9604	0.8786	0.5543	0.8290	0.9565
24	0.9989	0.9989	0.9991	0.9988	0.9990	0.9990	0.9991	0.9979	0.9975	0.9990
25	0.9965	0.9974	0.9980	0.9973	0.9979	0.9976	0.9979	0.9950	0.9953	0.9978
26	0.8372	0.9209	0.9282	0.9211	0.9244	0.9247	0.9323	0.8938	0.8508	0.9157
27	0.9315	0.9569	0.9748	0.9649	0.9638	0.9643	0.9642	0.9371	0.5452	0.5969
28	0.9701	0.9792	0.9821	0.9774	0.9798	0.9786	0.9821	0.9646	0.9421	0.9816
29	0.8812	0.9242	0.9295	0.9197	0.9267	0.9264	0.9300	0.8928	0.8843	0.9248
30	0.9955	0.9958	0.9972	0.9959	0.9966	0.9959	0.9964	0.9889	0.9851	0.9967
31	0.9176	0.9100	0.9177	0.9034	0.9064	0.9043	0.9189	0.8971	0.8760	0.9012
32	0.9956	0.9958	0.9969	0.9959	0.9968	0.9961	0.9965	0.9928	0.9934	0.9967
33	0.9971	0.9969	0.9978	0.9970	0.9974	0.9968	0.9974	0.9946	0.9918	0.9973
34	0.8812	0.9361	0.9471	0.9406	0.9430	0.9396	0.9436	0.8865	0.8638	0.9424
35	0.9950	0.9941	0.9958	0.9945	0.9953	0.9943	0.9950	0.9889	0.9815	0.9954
36	0.9844	0.9866	0.9903	0.9880	0.9872	0.9877	0.9887	0.9778	0.9705	0.9892
37	0.8721	0.9731	0.9789	0.9707	0.9734	0.9769	0.9817	0.9117	0.8929	0.9665
38	0.9980	0.9983	0.9975	0.9980	0.9986	0.9985	0.9987	0.9967	0.9958	0.9981
39	0.9958	0.9972	0.9981	0.9974	0.9978	0.9975	0.9975	0.9840	0.9920	0.9978
40	0.9760	0.9863	0.9886	0.9844	0.9871	0.9864	0.9878	0.9747	0.9681	0.9873
41	0.8822	0.9073	0.9326	0.9157	0.8562	0.9136	0.9094	0.8862	0.7987	0.8616
42	0.9105	0.9573	0.9613	0.9566	0.9576	0.9614	0.9673	0.9345	0.9025	0.9549
43	0.9943	0.9958	0.9965	0.9953	0.9963	0.9955	0.9962	0.9934	0.9914	0.9961
44	0.9747	0.9777	0.9797	0.9745	0.9771	0.9769	0.9788	0.9671	0.9547	0.9790
45	0.9890	0.9932	0.9936	0.9936	0.9938	0.9938	0.9940	0.9768	0.9828	0.9934
46	0.9848	0.9860	0.9883	0.9840	0.9873	0.9849	0.9875	0.9779	0.9725	0.9862
47	0.9419	0.9546	0.9591	0.9514	0.9562	0.9551	0.9543	0.9450	0.9203	0.9555
48	0.8552	0.8883	0.9013	0.8956	0.8900	0.9041	0.8877	0.8643	0.8463	0.8876
49	0.9801	0.9782	0.9820	0.9773	0.9804	0.9776	0.9802	0.9763	0.9707	0.9812
50	0.9469	0.9282	0.9288	0.9257	0.9249	0.9267	0.9351	0.9221	0.9103	0.9229

Table 64: UQI error for images 1 to 50 – 256 colors.

image	VC	WU	ADU	OC	BSITATCQ	BS	WUATCQ	WAN	MC	NQ
51	0.9925	0.9934	0.9939	0.9933	0.9940	0.9938	0.9940	0.9899	0.9878	0.9945
52	0.9955	0.9955	0.9964	0.9954	0.9962	0.9958	0.9962	0.9932	0.9875	0.9951
53	0.9991	0.9991	0.9994	0.9992	0.9993	0.9992	0.9993	0.9982	0.9976	0.9992
54	0.9777	0.9813	0.9857	0.9815	0.9832	0.9811	0.9844	0.9754	0.9614	0.9828
55	0.9943	0.9957	0.9951	0.9942	0.9964	0.9962	0.9962	0.9933	0.9906	0.9955
56	0.9988	0.9988	0.9990	0.9986	0.9990	0.9988	0.9990	0.9982	0.9969	0.9989
57	0.9966	0.9967	0.9966	0.9952	0.9969	0.9966	0.9971	0.9938	0.9911	0.9967
58	0.9935	0.9942	0.9954	0.9937	0.9952	0.9938	0.9949	0.9898	0.9867	0.9945
59	0.9917	0.9921	0.9938	0.9912	0.9934	0.9924	0.9936	0.9866	0.9832	0.9936
60	0.9974	0.9972	0.9981	0.9971	0.9978	0.9974	0.9977	0.9925	0.9928	0.9974
61	0.9892	0.9906	0.9923	0.9902	0.9923	0.9916	0.9917	0.9820	0.9757	0.9923
62	0.9979	0.9979	0.9981	0.9976	0.9982	0.9980	0.9981	0.9965	0.9960	0.9981
63	0.9755	0.9828	0.9869	0.9851	0.9854	0.9833	0.9854	0.9682	0.9624	0.9870
64	0.9898	0.9974	0.9965	0.9965	0.9978	0.9971	0.9970	0.9903	0.9921	0.9969
65	0.9930	0.9941	0.9951	0.9943	0.9950	0.9948	0.9948	0.9925	0.9908	0.9941
66	0.9838	0.9931	0.9951	0.9931	0.9933	0.9923	0.9938	0.9648	0.9799	0.9935
67	0.9898	0.9920	0.9936	0.9920	0.9932	0.9924	0.9929	0.9866	0.9880	0.9932
68	0.9481	0.9624	0.9698	0.9634	0.9650	0.9601	0.9674	0.9305	0.9065	0.9687
69	0.9941	0.9937	0.9951	0.9932	0.9947	0.9936	0.9945	0.9899	0.9832	0.9947
70	0.9876	0.9903	0.9916	0.9887	0.9910	0.9892	0.9917	0.9838	0.9786	0.9911
71	0.9945	0.9940	0.9950	0.9938	0.9951	0.9949	0.9951	0.9909	0.9844	0.9948
72	0.9861	0.9902	0.9904	0.9902	0.9913	0.9904	0.9893	0.9818	0.9828	0.9902
73	0.9683	0.9822	0.9876	0.9838	0.9841	0.9817	0.9866	0.9681	0.9383	0.9833
74	0.9916	0.9919	0.9941	0.9926	0.9933	0.9922	0.9927	0.9856	0.9802	0.9938
75	0.9958	0.9969	0.9964	0.9957	0.9971	0.9972	0.9974	0.9939	0.9930	0.9971
76	0.8849	0.9289	0.9430	0.9338	0.9362	0.9344	0.9375	0.8866	0.8783	0.9411
77	0.9564	0.9856	0.9889	0.9849	0.9871	0.9852	0.9845	0.9543	0.9582	0.9873
78	0.9919	0.9914	0.9914	0.9896	0.9921	0.9907	0.9922	0.9879	0.9793	0.9914
79	0.9913	0.9925	0.9937	0.9918	0.9930	0.9926	0.9936	0.9883	0.9858	0.9939
80	0.7222	0.9275	0.9777	0.9423	0.9206	0.9437	0.8442	0.6704	0.7926	0.9553
81	0.9749	0.9886	0.9905	0.9881	0.9899	0.9874	0.9903	0.9772	0.9743	0.9889
82	0.9908	0.9998	0.9996	0.9998	0.9991	0.9998	0.9997	0.9900	0.9964	0.9991
83	0.9777	0.9513	0.9919	0.9821	0.9393	0.9884	0.9779	0.9596	0.9195	0.9405
84	0.9970	0.9973	0.9976	0.9971	0.9976	0.9973	0.9976	0.9944	0.9927	0.9976
85	0.9565	0.9510	0.9778	0.9595	0.9445	0.9531	0.9600	0.9400	0.9125	0.9483
86	0.9961	0.9959	0.9969	0.9962	0.9965	0.9958	0.9965	0.9937	0.9910	0.9964
87	0.9873	0.9909	0.9930	0.9907	0.9916	0.9904	0.9929	0.9744	0.9782	0.9908
88	0.9989	0.9993	0.9978	0.9991	0.9994	0.9993	0.9994	0.9987	0.9979	0.9987
89	0.9684	0.9736	0.9775	0.9750	0.9750	0.9709	0.9760	0.9556	0.9362	0.9758
90	0.9967	0.9972	0.9973	0.9973	0.9973	0.9973	0.9971	0.9925	0.9935	0.9968
91	0.9939	0.9952	0.9966	0.9948	0.9957	0.9950	0.9958	0.9792	0.9848	0.9959
92	0.9823	0.9846	0.9867	0.9823	0.9851	0.9840	0.9854	0.9772	0.9638	0.9857
93	0.9866	0.9892	0.9917	0.9904	0.9913	0.9908	0.9911	0.9783	0.9747	0.9913
94	0.9967	0.9973	0.9965	0.9956	0.9976	0.9971	0.9977	0.9959	0.9937	0.9968
95	0.9680	0.9720	0.9731	0.9667	0.9725	0.9702	0.9730	0.9609	0.9454	0.9711
96	0.9841	0.9901	0.9926	0.9916	0.9916	0.9924	0.9901	0.9836	0.9819	0.9910
97	0.9924	0.9930	0.9963	0.9946	0.9938	0.9942	0.9937	0.9815	0.9863	0.9952
98	0.9808	0.9919	0.9929	0.9916	0.9935	0.9936	0.9941	0.9794	0.9878	0.9916
99	0.9303	0.9712	0.9753	0.9692	0.9724	0.9706	0.9735	0.9252	0.9423	0.9738
100	0.9988	0.9988	0.9992	0.9989	0.9990	0.9989	0.9990	0.9956	0.9966	0.9988

Table 65: UQI error for images 51 to 100 – 256 colors.