

# Colorimetric Report

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Test Device	Samsung_S24A650
Target	sRGB
Display Profile	considered
Rendering Intent	Relative colorimetric

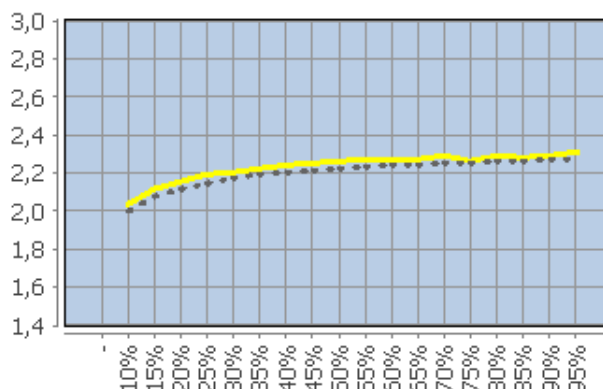
White Point / CCT Kelvin	6484K
White Point XYZ (normalized)	94.9 100.0 108.33
DeltaE to D50/ D65	19.17/ 0.43
DeltaE to Blackbody Curve *	0.24
Assumed Target Whitepoint	6500K
DeltaE to Assumed Target Whitepoint	0.34
Brightness / cd/m <sup>2</sup> **	139.2
Black Point / cd/m <sup>2</sup> **	0.039
Contrast / x:1	3569:1
Gradation (Average)	2.23

\* Based on CCT    \*\* Measured with X-Rite DTP94 or comparable probe

	Percent	Kelvin	deltaC	deltaE	Gamma
	5	-	-	-	-
	10	6442	0.77	0.85	2.04
	15	6368	0.31	0.88	2.11
	20	6359	0.34	0.84	2.15
	25	6436	0.22	0.69	2.19
	30	6417	0.28	0.48	2.2
	35	6486	0.09	0.79	2.22
	40	6456	0.25	0.64	2.24
	45	6512	0.14	0.44	2.25
	50	6429	0.29	0.45	2.26
	55	6459	0.16	0.68	2.27
	60	6483	0.04	0.45	2.27
	65	6489	0.04	0.24	2.27
	70	6506	0.37	0.42	2.29
	75	6472	0.12	0.18	2.26
	80	6446	0.26	0.33	2.29
	85	6496	0.18	0.19	2.28
	90	6511	0.22	0.23	2.29
	95	6501	0.27	0.33	2.31
	100	6484	-	-	-
	Average	-	0.21*	0.49*	2.23
	Maximum	-	0.37*	0.88*	-
	Range	-	0.63*	-	-

\* Only luminance > 1% considered  
 Without Black Point Compensation

### Corresponding Gamma



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	RGB	deltaC	deltaH	deltaL	deltaE94
	255 0 0	6.54	0.52	4.71	4.85
	0 255 0	15.23	23.42	2.45	9.05
	0 0 255	24.15	12.73	4.17	6.87
	0 255 255	11.61	1.06	1.57	3.95
	255 0 255	13.5	6.22	5.47	6.31
	255 255 0	23.11	1.23	0.64	4.39
	170 85 85	4.87	0.38	1.44	2.31
	85 170 85	2.71	5.48	0.55	3.12
	85 85 170	6.91	4.88	1.58	3.8
	85 170 170	5.19	0.99	0.03	2.46
	170 85 170	3.98	2.68	2.09	2.79
	170 170 85	5.44	2.27	0.06	2.25
	229 0 0	7.78	1.86	4.12	4.44
	204 0 0	8.07	2.96	3.65	4.19
	178 0 0	8.9	4.28	3.67	4.58
	153 0 0	8.91	4.74	3.48	4.68
	127 0 0	7.5	3.62	3.35	4.34
	102 0 0	7.39	3.56	3.0	4.27
	76 0 0	6.42	3.19	2.86	4.2
	0 229 0	13.24	19.03	1.5	7.65
	0 204 0	11.02	16.26	0.59	6.78
	0 178 0	8.52	13.88	0.22	6.09
	0 153 0	6.77	11.9	0.83	5.6
	0 127 0	5.44	10.26	1.39	5.31
	0 102 0	3.06	8.17	1.95	4.76
	0 76 0	0.73	4.75	2.2	3.51
	0 0 229	23.2	12.92	4.88	7.54
	0 0 204	20.61	12.32	5.22	7.72
	0 0 178	17.64	11.15	4.92	7.32
	0 0 153	15.06	10.12	5.0	7.21
	0 0 127	11.83	8.85	4.53	6.59
	0 0 102	6.71	6.47	3.61	5.1
	0 0 76	0.51	2.75	2.25	2.73
	0 229 229	9.87	2.12	0.58	3.49
	0 204 204	9.05	2.74	0.27	3.55
	0 178 178	8.39	4.19	1.08	4.21
	0 153 153	7.69	4.45	1.56	4.5
	0 127 127	7.02	5.07	2.02	5.03
	0 102 102	6.42	5.83	2.46	5.72
	0 76 76	5.62	5.42	2.68	5.71
	229 0 229	11.68	4.17	5.0	5.63
	204 0 204	9.27	2.35	4.54	4.95
	178 0 178	7.65	1.63	4.24	4.57
	153 0 153	5.7	0.64	3.9	4.1
	127 0 127	3.64	0.31	3.26	3.38
	102 0 102	2.41	0.78	3.17	3.26
	76 0 76	0.39	1.64	2.55	2.73

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	RGB	deltaC	deltaH	deltaL	deltaE94
	229 229 0	19.08	2.5	0.55	3.99
	204 204 0	16.08	2.71	0.35	3.66
	178 178 0	13.79	3.32	0.02	3.55
	153 153 0	11.77	3.73	0.16	3.5
	127 127 0	9.66	3.71	0.29	3.35
	102 102 0	7.94	3.83	0.65	3.37
	76 76 0	4.5	3.83	0.54	2.92
	255 25 25	6.72	1.66	4.26	4.48
	255 51 51	7.98	2.32	3.52	3.99
	255 76 76	8.73	3.03	2.79	3.67
	255 102 102	8.92	3.11	2.18	3.5
	255 127 127	8.6	3.07	1.66	3.46
	255 153 153	7.54	2.75	1.33	3.4
	255 178 178	6.12	1.79	1.11	3.08
	255 204 204	4.37	1.65	0.78	2.78
	255 229 229	2.58	0.65	0.43	1.95
	25 255 25	12.86	21.64	2.5	8.48
	51 255 51	8.76	18.24	2.42	7.39
	76 255 76	5.3	15.02	2.31	6.41
	102 255 102	2.67	11.91	2.14	5.48
	127 255 127	1.05	9.54	1.97	4.81
	153 255 153	0.35	7.3	1.65	4.09
	178 255 178	0.24	5.39	1.34	3.4
	204 255 204	0.15	4.05	0.96	2.9
	229 255 229	0.43	1.98	0.5	1.69
	25 25 255	23.04	12.31	3.81	6.61
	51 51 255	19.85	11.14	3.17	6.02
	76 76 255	16.06	9.53	2.39	5.25
	102 102 255	12.86	7.86	1.84	4.65
	127 127 255	9.9	6.15	1.31	3.98
	153 153 255	7.44	4.4	0.96	3.33
	178 178 255	5.43	3.02	0.71	2.74
	204 204 255	3.32	1.8	0.33	2.0
	229 229 255	1.31	0.41	0.11	0.89
	25 255 255	11.41	0.69	1.65	3.92
	51 255 255	11.17	0.69	1.63	3.92
	76 255 255	10.75	0.62	1.61	3.9
	102 255 255	9.97	0.62	1.53	3.81
	127 255 255	9.0	0.56	1.42	3.67
	153 255 255	7.58	0.52	1.26	3.42
	178 255 255	6.06	0.42	1.05	3.08
	204 255 255	4.51	0.29	0.83	2.7
	229 255 255	2.35	0.12	0.44	1.74

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	RGB	deltaC	deltaH	deltaL	deltaE94
	255 25 255	12.44	6.39	5.05	5.94
	255 51 255	10.2	6.49	4.41	5.34
	255 76 255	7.73	6.45	3.66	4.68
	255 102 255	5.54	6.28	3.01	4.16
	255 127 255	3.53	5.94	2.32	3.67
	255 153 255	2.14	5.33	1.83	3.34
	255 178 255	1.25	4.56	1.43	3.04
	255 204 255	0.33	3.51	0.98	2.57
	255 229 255	0.32	2.11	0.46	1.77
	255 255 25	20.93	1.41	0.65	4.07
	255 255 51	16.65	1.88	0.64	3.45
	255 255 76	12.76	2.23	0.6	2.94
	255 255 102	9.23	2.35	0.57	2.49
	255 255 127	6.87	2.28	0.51	2.21
	255 255 153	5.08	1.98	0.41	1.96
	255 255 178	3.55	1.57	0.29	1.66
	255 255 204	2.6	1.05	0.16	1.43
	255 255 229	1.05	0.49	0.06	0.78
	213 255 0	21.95	5.09	1.21	4.68
	159 191 0	15.66	0.92	0.64	3.51
	106 128 0	10.39	0.47	0.19	2.85
	0 255 85	2.21	15.71	2.36	6.57
	0 191 64	2.29	10.44	0.29	4.68
	0 128 42	0.64	6.62	1.57	3.79
	0 128 255	14.14	14.25	3.07	8.14
	0 96 191	12.38	12.98	3.55	8.52
	0 64 128	9.97	10.83	3.63	8.31
	170 0 255	17.64	2.28	3.96	4.89
	127 0 191	12.2	3.35	4.0	4.8
	85 0 128	5.98	3.15	3.58	4.14
	255 0 42	5.46	0.86	4.69	4.82
	191 0 32	4.99	1.07	3.0	3.24
	128 0 21	3.93	1.41	2.5	2.84
	170 85 0	3.21	7.58	1.61	4.3
	0 170 85	2.33	6.81	0.66	3.55
	85 0 170	12.32	5.8	4.18	5.4
	0 85 170	11.71	12.35	3.6	8.51
	170 0 85	2.1	0.92	3.14	3.22
	85 170 0	12.91	7.88	0.6	4.57
	123 127 127	0.36	0.09	0.4	0.53
	127 123 127	0.03	0.03	0.47	0.47
	127 127 123	0.29	0.01	0.38	0.47
	Average	8.13	5.07	2.03	4.2
	Maximum	24.15	23.42	5.47	9.05

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Test Device	Samsung_S24A650
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Property	Device adjustments
Backlight brightness	
Brightness	46
Contrast	75
RGB Gain	50 50 46
Gradation	Modus1
Other	kal iColor 3.7 sRGB