

Colorimetric Report

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Test Device	BenQ XL2420T
Target	sRGB
Display Profile	not considered
Rendering Intent	-

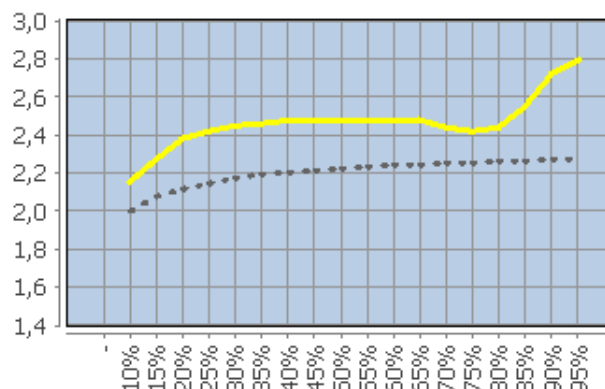
White Point / CCT Kelvin	6804K
White Point XYZ (normalized)	95.09 100.0 113.49
DeltaE to D50/ D65	22.53/ 2.78
DeltaE to Blackbody Curve *	0.28
Assumed Target Whitepoint	6800K
DeltaE to Assumed Target Whitepoint	0.3
Brightness / cd/m ² **	345.7
Black Point / cd/m ² **	0.38
Contrast / x:1	910:1
Gradation (Average)	2.47

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

	Percent	Kelvin	deltaC	deltaE	Gamma
	5	-	-	-	-
	10	7630	1.39	2.75	2.15
	15	6566	0.85	3.85	2.27
	20	6326	1.69	5.19	2.38
	25	6108	2.46	5.56	2.42
	30	6124	2.38	5.51	2.45
	35	6132	2.68	5.7	2.46
	40	6105	2.93	5.66	2.48
	45	6082	3.19	5.36	2.48
	50	6132	3.45	5.12	2.48
	55	6061	4.1	5.54	2.48
	60	6031	4.68	5.69	2.48
	65	6006	5.03	5.69	2.48
	70	6088	5.21	5.5	2.44
	75	6189	5.15	5.38	2.42
	80	6218	4.99	5.15	2.44
	85	6299	4.65	4.89	2.55
	90	6240	5.72	5.91	2.72
	95	6087	6.09	6.19	2.79
	100	6805	-	-	-
	Average	-	3.84*	5.4*	2.47
	Maximum	-	6.09*	6.19*	-
	Range	-	5.43*	-	-

* Only luminance > 1% considered
Without Black Point Compensation

Corresponding Gamma



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	RGB	deltaC	deltaH	deltaL	deltaE94
	255 0 0	2.49	1.36	4.18	4.24
	0 255 0	11.62	19.86	1.91	7.57
	0 0 255	15.8	8.18	2.66	4.42
	0 255 255	9.26	0.85	1.33	3.18
	255 0 255	10.54	5.38	4.6	5.29
	255 255 0	20.27	0.14	0.38	3.8
	170 85 85	3.63	2.46	4.28	4.74
	85 170 85	8.0	7.11	2.1	4.94
	85 85 170	4.56	4.5	6.01	6.67
	85 170 170	1.63	4.98	2.67	4.5
	170 85 170	4.41	2.7	4.94	5.3
	170 170 85	10.02	1.42	2.12	4.02
	229 0 0	5.38	1.65	4.01	4.19
	204 0 0	5.67	3.16	3.21	3.67
	178 0 0	6.6	4.49	2.94	3.85
	153 0 0	7.54	4.97	3.12	4.34
	127 0 0	8.19	5.16	3.28	4.78
	102 0 0	8.44	5.22	3.5	5.27
	76 0 0	8.44	5.4	3.27	5.63
	0 229 0	7.35	14.91	0.88	5.81
	0 204 0	6.34	12.46	0.97	5.17
	0 178 0	3.95	10.19	1.97	4.79
	0 153 0	1.27	8.26	3.29	4.97
	0 127 0	1.05	6.39	3.95	5.02
	0 102 0	3.68	4.49	4.65	5.3
	0 76 0	7.18	1.67	4.84	5.41
	0 0 229	9.22	9.04	5.75	6.71
	0 0 204	9.16	8.65	5.34	6.41
	0 0 178	6.46	7.97	5.49	6.44
	0 0 153	3.4	7.01	5.35	6.15
	0 0 127	0.99	5.79	4.68	5.37
	0 0 102	4.56	3.26	3.53	4.04
	0 0 76	10.55	1.01	1.97	3.71
	0 229 229	6.72	4.37	1.88	3.86
	0 204 204	5.94	3.17	1.91	3.4
	0 178 178	5.26	3.51	2.93	4.16
	0 153 153	5.19	2.92	4.21	5.06
	0 127 127	5.11	1.96	4.78	5.43
	0 102 102	4.81	1.94	5.42	6.03
	0 76 76	4.38	1.53	5.62	6.17
	229 0 229	2.9	1.04	5.33	5.37
	204 0 204	2.85	1.73	4.37	4.46
	178 0 178	0.8	3.01	4.18	4.38
	153 0 153	1.07	3.21	4.37	4.62
	127 0 127	1.92	2.44	4.5	4.68
	102 0 102	3.77	2.11	4.59	4.83
	76 0 76	5.07	1.37	4.47	4.82

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	RGB	deltaC	deltaH	deltaL	deltaE94
	229 229 0	14.14	0.48	1.39	3.15
	204 204 0	11.7	0.64	1.1	2.75
	178 178 0	8.21	0.23	1.89	2.68
	153 153 0	4.68	0.07	3.22	3.43
	127 127 0	1.79	0.26	4.07	4.1
	102 102 0	1.21	0.3	4.94	4.96
	76 76 0	4.75	0.81	5.38	5.66
	255 25 25	1.1	2.12	4.54	4.62
	255 51 51	1.52	4.1	5.03	5.34
	255 76 76	2.02	3.99	5.38	5.7
	255 102 102	1.63	3.95	5.39	5.76
	255 127 127	0.54	4.08	4.95	5.44
	255 153 153	0.05	5.16	4.33	5.38
	255 178 178	1.09	6.03	3.18	5.25
	255 204 204	1.12	5.86	2.22	5.09
	255 229 229	1.4	6.22	2.18	5.95
	25 255 25	12.02	19.56	1.86	7.58
	51 255 51	13.54	19.18	1.73	7.72
	76 255 76	13.72	17.74	1.56	7.55
	102 255 102	13.18	15.76	1.35	7.26
	127 255 127	11.73	13.59	1.16	6.86
	153 255 153	10.88	11.92	0.94	6.8
	178 255 178	8.88	9.98	0.75	6.48
	204 255 204	6.99	7.51	0.46	5.84
	229 255 229	8.24	5.51	0.1	6.51
	25 25 255	17.44	8.49	3.24	5.05
	51 51 255	19.77	8.92	4.37	6.27
	76 76 255	20.01	8.58	4.97	6.95
	102 102 255	18.09	7.41	4.87	6.88
	127 127 255	15.06	5.98	4.23	6.22
	153 153 255	12.13	4.8	3.49	5.54
	178 178 255	8.28	3.42	2.22	4.21
	204 204 255	5.3	2.08	1.42	3.15
	229 229 255	4.36	1.14	1.67	3.33
	25 255 255	8.9	0.56	1.27	3.05
	51 255 255	8.2	0.48	1.21	2.88
	76 255 255	7.42	0.41	1.12	2.69
	102 255 255	6.62	0.37	1.03	2.53
	127 255 255	5.96	0.37	0.95	2.44
	153 255 255	5.34	0.33	0.88	2.4
	178 255 255	4.82	0.32	0.8	2.43
	204 255 255	3.68	0.27	0.6	2.19
	229 255 255	1.63	0.14	0.2	1.19

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	RGB	deltaC	deltaH	deltaL	deltaE94
	255 25 255	11.33	5.58	4.81	5.56
	255 51 255	12.57	5.53	5.17	5.97
	255 76 255	13.3	5.42	5.41	6.29
	255 102 255	12.86	5.28	5.31	6.3
	255 127 255	11.21	5.12	4.86	5.95
	255 153 255	9.05	4.8	4.21	5.41
	255 178 255	5.62	4.32	3.04	4.32
	255 204 255	3.08	3.47	2.05	3.36
	255 229 255	3.0	2.25	1.87	3.13
	255 255 25	20.27	0.13	0.23	3.86
	255 255 51	21.5	0.27	0.19	4.26
	255 255 76	21.06	0.23	0.13	4.46
	255 255 102	19.77	0.07	0.04	4.6
	255 255 127	17.58	0.12	0.04	4.6
	255 255 153	15.98	0.2	0.15	4.87
	255 255 178	13.23	0.27	0.25	4.84
	255 255 204	10.18	0.25	0.34	4.73
	255 255 229	10.08	0.1	0.49	6.36
	213 255 0	18.52	5.04	0.73	4.03
	159 191 0	9.94	1.56	1.36	2.66
	106 128 0	2.07	0.32	4.22	4.26
	0 255 85	11.12	20.23	1.57	8.27
	0 191 64	6.66	12.7	1.78	6.09
	0 128 42	0.57	7.71	4.46	6.0
	0 128 255	16.13	13.78	4.6	8.85
	0 96 191	7.39	10.65	6.5	8.88
	0 64 128	2.4	7.63	6.4	7.97
	170 0 255	12.69	0.8	3.34	3.89
	127 0 191	3.91	2.83	5.39	5.56
	85 0 128	1.04	2.0	5.5	5.59
	255 0 42	0.24	4.91	4.43	4.86
	191 0 32	2.55	0.72	3.18	3.25
	128 0 21	5.23	1.63	3.59	3.98
	170 85 0	2.3	3.45	4.89	5.23
	0 170 85	3.24	10.47	3.23	6.24
	85 0 170	2.81	3.64	6.01	6.23
	0 85 170	5.02	9.44	6.71	8.65
	170 0 85	1.72	6.3	3.31	4.66
	85 170 0	6.25	4.8	2.49	3.57
	123 127 127	1.63	3.26	4.78	5.94
	127 123 127	0.68	3.14	5.04	5.9
	127 127 123	3.78	1.01	4.8	5.98
	Average	7.37	4.73	3.15	5.04
	Maximum	21.5	20.23	6.71	8.88