

Colorimetric Report

Page (1/5)



CCalc 2.0
Copyright © 2011, Denis Freund
All Rights Reserved
licensed for PRAD ProAdviser

Test Device	BenQ XL2720Z
Target	sRGB
Display Profile	considered
Rendering Intent	Relative colorimetric

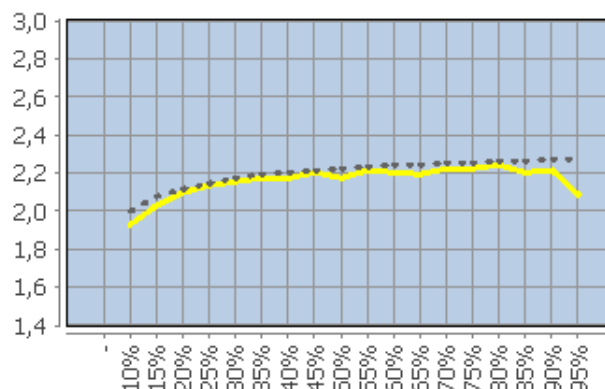
White Point / CCT Kelvin	6553K
White Point XYZ (normalized)	95.05 100.0 109.68
DeltaE to D50/ D65	20.04/ 0.49
Assumed Target Whitepoint*	6600K
DeltaE to Assumed Target Whitepoint	0.37
Brightness / cd/m ² **	139.5
Black Point / cd/m ² **	0.15
Contrast / x:1	930:1
Gradation (Average)	2.16

* Daylight ** Measured with X-Rite DTP94 or comparable probe

	Percent	Kelvin	deltaC	deltaE	Gamma
	5	-	-	-	-
	10	6438	0.62	1.75	1.93
	15	6467	0.32	0.9	2.03
	20	6535	0.18	0.48	2.09
	25	6572	0.59	0.79	2.13
	30	6525	0.1	0.72	2.15
	35	6557	0.53	0.61	2.17
	40	6465	0.76	1.04	2.17
	45	6668	0.53	0.67	2.2
	50	6446	1.45	1.74	2.17
	55	6573	0.21	0.26	2.21
	60	6519	0.78	0.94	2.2
	65	6540	0.75	1.03	2.19
	70	6573	0.46	0.69	2.22
	75	6540	0.19	0.33	2.22
	80	6554	0.17	0.25	2.24
	85	6527	0.54	0.68	2.2
	90	6566	0.25	0.46	2.21
	95	6529	1.06	1.1	2.08
	100	6553	-	-	-
	Average	-	0.53*	0.8*	2.16
	Maximum	-	1.45*	1.75*	-
	Range	-	1.83*	-	-

* Only luminance > 1% considered
Without Black Point Consideration

Corresponding Gamma



Colorimetric Report

Page (2/5)



CCalc 2.0
Copyright © 2011, Denis Freund
All Rights Reserved
licensed for PRAD ProAdviser

Test Device	BenQ XL2720Z
Target	sRGB
Display Profile	considered
Rendering Intent	Relative colorimetric

	RGB	deltaC	deltaH	deltaL	deltaE94
	255 0 0	2.56	11.38	0.5	4.48
	0 255 0	2.46	6.43	0.43	2.37
	0 0 255	1.33	4.85	0.52	1.71
	0 255 255	7.34	0.91	0.49	2.37
	255 0 255	1.34	2.31	2.26	2.42
	255 255 0	2.44	2.11	0.13	0.98
	170 85 85	0.6	0.35	0.66	0.73
	85 170 85	1.3	1.23	0.12	0.77
	85 85 170	0.56	0.23	0.24	0.32
	85 170 170	1.48	0.76	0.35	0.93
	170 85 170	0.37	1.24	0.68	0.96
	170 170 85	0.45	1.04	0.71	0.96
	229 0 0	2.87	9.49	1.31	4.13
	204 0 0	2.8	7.4	1.32	3.49
	178 0 0	0.38	10.72	2.81	5.63
	153 0 0	0.04	4.6	1.13	2.5
	127 0 0	0.08	3.26	1.25	2.11
	102 0 0	0.81	2.3	1.54	2.03
	76 0 0	1.82	1.91	1.07	1.74
	0 229 0	2.71	3.83	0.16	1.52
	0 204 0	3.76	1.91	0.15	1.03
	0 178 0	2.53	3.35	0.57	1.6
	0 153 0	2.06	3.41	0.31	1.62
	0 127 0	0.55	2.86	0.21	1.4
	0 102 0	0.77	5.96	0.11	3.12
	0 76 0	6.16	10.21	1.5	6.32
	0 0 229	0.42	3.43	0.66	1.38
	0 0 204	1.33	4.86	0.88	2.01
	0 0 178	2.71	3.43	2.41	2.81
	0 0 153	7.38	1.92	3.67	4.02
	0 0 127	10.32	0.52	4.46	5.0
	0 0 102	10.6	0.28	4.35	5.07
	0 0 76	2.56	3.16	0.29	1.93
	0 229 229	5.92	1.26	0.21	2.07
	0 204 204	5.14	1.43	0.29	2.0
	0 178 178	4.44	1.42	0.37	1.9
	0 153 153	4.84	0.5	0.47	1.99
	0 127 127	3.23	0.08	0.05	1.38
	0 102 102	7.01	1.61	0.02	3.46
	0 76 76	10.85	1.66	0.45	5.75
	229 0 229	0.38	0.54	0.13	0.25
	204 0 204	0.45	1.54	0.61	0.87
	178 0 178	0.07	1.3	0.67	0.87
	153 0 153	0.24	1.42	0.52	0.83
	127 0 127	0.15	2.01	0.43	1.08
	102 0 102	0.92	1.66	0.18	0.93
	76 0 76	1.25	1.13	0.21	0.79

Colorimetric Report

Page (3/5)



CCalc 2.0
Copyright © 2011, Denis Freund
All Rights Reserved
licensed for PRAD ProAdviser

Test Device	BenQ XL2720Z
Target	sRGB
Display Profile	considered
Rendering Intent	Relative colorimetric

	RGB	deltaC	deltaH	deltaL	deltaE94
	229 229 0	0.63	0.88	0.07	0.4
	204 204 0	1.3	0.69	0.02	0.42
	178 178 0	0.28	1.45	0.66	0.96
	153 153 0	0.76	0.96	0.44	0.68
	127 127 0	0.4	1.42	0.81	1.12
	102 102 0	1.52	1.09	0.49	0.93
	76 76 0	0.83	0.51	0.52	0.68
	255 25 25	1.55	10.69	1.09	4.45
	255 51 51	1.38	4.54	2.53	3.2
	255 76 76	3.28	1.21	2.81	2.95
	255 102 102	4.8	0.54	1.85	2.23
	255 127 127	4.87	0.21	1.5	2.07
	255 153 153	4.64	0.98	0.95	1.97
	255 178 178	4.79	0.59	0.82	2.22
	255 204 204	2.91	0.76	0.53	1.75
	255 229 229	2.24	0.03	0.49	1.64
	25 255 25	2.25	5.56	0.32	2.07
	51 255 51	2.03	3.64	0.56	1.51
	76 255 76	0.25	0.35	0.23	0.28
	102 255 102	0.22	0.51	0.33	0.4
	127 255 127	0.27	0.54	0.52	0.58
	153 255 153	0.49	0.82	0.47	0.65
	178 255 178	0.37	1.09	0.36	0.74
	204 255 204	0.52	0.96	0.46	0.82
	229 255 229	0.49	0.45	0.22	0.51
	25 25 255	4.19	5.41	0.74	2.08
	51 51 255	6.43	4.58	2.23	2.95
	76 76 255	0.4	0.2	0.12	0.16
	102 102 255	0.02	0.05	0.08	0.09
	127 127 255	1.49	0.79	0.33	0.61
	153 153 255	1.81	0.66	0.57	0.84
	178 178 255	1.5	0.45	0.47	0.76
	204 204 255	0.07	0.16	0.04	0.12
	229 229 255	0.55	0.48	0.16	0.55
	25 255 255	6.69	0.82	0.4	2.16
	51 255 255	5.38	1.14	0.0	1.83
	76 255 255	3.1	0.96	0.3	1.2
	102 255 255	0.78	0.74	0.6	0.8
	127 255 255	0.28	0.56	0.62	0.72
	153 255 255	1.03	0.36	0.41	0.64
	178 255 255	0.8	0.17	0.37	0.55
	204 255 255	1.24	0.15	0.19	0.74
	229 255 255	0.8	0.35	0.04	0.65

Colorimetric Report

Page (4/5)



CCalc 2.0
Copyright © 2011, Denis Freund
All Rights Reserved
licensed for PRAD ProAdviser

Test Device	BenQ XL2720Z
Target	sRGB
Display Profile	considered
Rendering Intent	Relative colorimetric

	RGB	deltaC	deltaH	deltaL	deltaE94
	255 25 255	1.54	2.29	2.34	2.5
	255 51 255	1.17	2.57	2.08	2.3
	255 76 255	0.73	2.37	1.87	2.1
	255 102 255	1.3	2.2	1.22	1.56
	255 127 255	2.26	2.75	1.02	1.71
	255 153 255	2.61	1.86	0.69	1.36
	255 178 255	3.35	1.8	0.3	1.52
	255 204 255	1.63	2.15	0.6	1.71
	255 229 255	1.44	1.49	0.37	1.51
	255 255 25	2.23	2.05	0.14	0.96
	255 255 51	1.27	2.09	0.17	0.94
	255 255 76	0.79	2.09	0.21	0.97
	255 255 102	0.81	2.06	0.33	1.06
	255 255 127	0.08	2.05	0.45	1.15
	255 255 153	0.27	2.02	0.63	1.31
	255 255 178	0.49	1.16	0.67	1.01
	255 255 204	0.25	0.96	0.25	0.74
	255 255 229	0.09	0.57	0.17	0.51
	213 255 0	0.54	0.38	0.59	0.61
	159 191 0	0.79	1.43	0.36	0.76
	106 128 0	0.29	1.73	0.53	1.06
	0 255 85	4.26	5.15	0.59	2.22
	0 191 64	2.1	3.76	0.42	1.78
	0 128 42	2.02	5.96	0.5	3.19
	0 128 255	0.63	3.69	0.74	1.92
	0 96 191	0.18	4.03	0.01	2.16
	0 64 128	1.57	4.94	0.59	3.13
	170 0 255	0.92	0.91	0.42	0.55
	127 0 191	0.66	1.52	0.42	0.76
	85 0 128	0.72	1.26	0.24	0.68
	255 0 42	2.61	12.62	0.62	5.23
	191 0 32	3.71	11.16	1.2	5.4
	128 0 21	1.44	0.87	1.33	1.47
	170 85 0	0.88	0.44	0.61	0.69
	0 170 85	2.53	1.75	0.28	1.13
	85 0 170	0.69	0.6	0.01	0.29
	0 85 170	0.87	4.77	0.04	2.67
	170 0 85	0.52	2.65	0.86	1.62
	85 170 0	0.73	1.99	0.28	0.96
	123 127 127	1.12	1.04	0.51	1.55
	127 123 127	0.9	0.53	0.45	1.05
	127 127 123	1.64	0.4	0.67	1.68
	Average	2.0	2.32	0.71	1.7
	Maximum	10.85	12.62	4.46	6.32

Colorimetric Report

Page (5/5)



CCalc 2.0
Copyright © 2011, Denis Freund
All Rights Reserved
licensed for PRAD ProAdviser

Test Device	BenQ XL2720Z
Target	sRGB
Display Profile	considered
Rendering Intent	Relative colorimetric

Property	Device adjustments
Backlight brightness	
Brightness	30
Contrast	50
RGB Gain	99 100 99
Gradation	Gamma 2
Other	