

Colorimetric Report

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CCalc 2.3
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Date	Saturday, November 26, 2016
Tester	Oliver Jachmann
Display	BenQ XL2735
Sensor	X-Rite i1 Display Pro (Corr.: WLED, XR)
Testchart	In accordance with ISO 12646:2007 (1)
Target	sRGB
Display Profile	Not considered
Rendering Intent	-

(1) Five equally spaced code values for each channel

White Point (CCT)	6643 Kelvin
White Point XYZ (normalized)	96.09 100.00 112.87
DeltaE to D50/ D65	22.02/ 3.02
Assumed Target Whitepoint (2)	6600 Kelvin
DeltaE to Assumed Target Whitepoint	2.48
Brightness	212.92 cd/m²
Black Point	0.23 cd/m²
Contrast (x:1)	926:1
Gradation (Average)	2.02

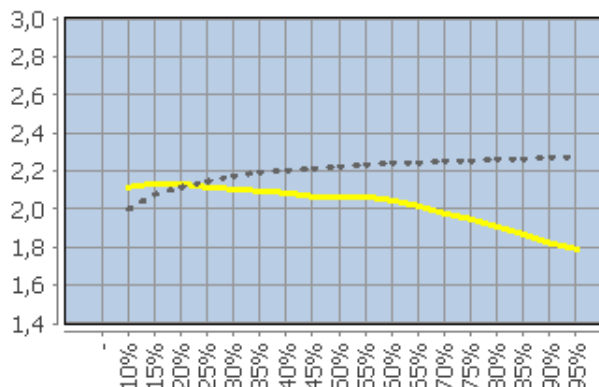
(2) Daylight

	Percent	Kelvin	Delta C	Delta E	Gamma
	5	-	-	-	-
	10	8377	2.09	2.88	2.11
	15	7822	2.10	2.41	2.13
	20	7580	2.24	2.25	2.13
	25	7558	2.45	2.56	2.11
	30	7509	2.67	3.07	2.10
	35	7406	2.64	3.29	2.09
	40	7372	2.79	3.64	2.08
	45	7319	2.79	3.71	2.07
	50	7231	2.63	3.62	2.07
	55	7191	2.57	3.59	2.07
	60	7124	2.45	3.62	2.05
	65	7115	2.57	3.80	2.02
	70	7080	2.53	3.85	1.98
	75	7033	2.37	3.69	1.95
	80	6974	2.09	3.36	1.91
	85	6939	1.95	2.95	1.87
	90	6872	1.58	2.29	1.82
	95	6799	1.12	1.47	1.79
	100 (3)	6643	-	-	-
	Average (4)	-	2.33	3.13	2.02
	Maximum (4)	-	2.79	3.85	-
	Range (4)	-	2.79	-	-

(3) Visual adaptation to display whitepoint is assumed

(4) Only luminance > 1% considered

Corresponding Gamma



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(1) Five equally spaced code values for each channel

	RGB	Delta C	Delta H	Delta L	Delta E94
	0 0 0	0.96	0.00	0.99	1.38
	0 0 63	8.53	5.27	0.04	4.30
	0 0 127	22.93	10.01	1.92	7.03
	0 0 191	29.64	13.13	2.98	7.73
	0 0 255	24.62	12.61	3.51	6.50
	0 63 0	4.64	0.09	0.95	1.83
	0 63 63	0.48	2.28	0.54	1.88
	0 63 127	12.21	9.13	0.29	7.02
	0 63 191	21.38	11.91	1.37	7.30
	0 63 255	18.26	10.91	2.29	5.54
	0 127 0	13.77	4.40	2.45	4.60
	0 127 63	6.30	1.63	2.27	3.08
	0 127 127	0.82	3.77	1.86	3.22
	0 127 191	6.83	9.19	1.16	6.23
	0 127 255	6.12	6.37	0.36	3.36
	0 191 0	18.62	8.71	2.98	5.81
	0 191 63	11.42	5.18	2.91	4.41
	0 191 127	1.71	0.75	2.68	2.74
	0 191 191	2.20	4.21	2.27	3.56
	0 191 255	0.68	2.65	1.72	2.34
	0 255 0	18.82	17.15	1.44	6.96
	0 255 63	10.86	12.58	1.38	5.25
	0 255 127	1.19	5.43	1.25	2.63
	0 255 191	8.04	0.46	1.01	2.26
	0 255 255	6.48	1.81	0.67	2.34
	63 0 0	4.26	0.56	0.32	1.79
	63 0 63	4.55	2.05	0.33	2.03
	63 0 127	18.24	4.10	1.50	4.87
	63 0 191	26.43	9.38	2.59	6.47
	63 0 255	22.89	10.65	3.24	5.86
	63 63 0	5.08	4.80	0.87	3.81
	63 63 63	2.47	0.24	0.60	2.56
	63 63 127	11.38	3.53	0.12	4.57
	63 63 191	19.64	8.22	1.13	5.87
	63 63 255	16.90	8.93	2.05	4.82
	63 127 0	15.83	1.10	2.77	4.93
	63 127 63	8.65	0.11	2.65	3.90
	63 127 127	1.33	2.25	2.25	2.90
	63 127 191	6.75	5.99	1.57	4.75
	63 127 255	5.06	4.50	0.76	2.56
	63 191 0	20.49	6.87	3.43	5.99
	63 191 63	13.28	4.02	3.36	4.81
	63 191 127	3.48	0.71	3.12	3.30
	63 191 191	0.89	2.92	2.71	3.33
	63 191 255	0.80	1.14	2.16	2.28
	63 255 0	19.68	16.05	1.38	6.76
	63 255 63	11.71	11.74	1.34	5.09

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(1) Five equally spaced code values for each channel

	RGB	Delta C	Delta H	Delta L	Delta E94
	63 255 127	0.31	5.08	1.22	2.52
	63 255 191	7.27	0.41	0.99	2.14
	63 255 255	5.95	1.67	0.66	2.25
	127 0 0	1.80	2.93	0.59	1.71
	127 0 63	0.28	1.89	0.54	1.21
	127 0 127	10.53	2.30	0.17	2.81
	127 0 191	19.33	2.93	1.16	3.97
	127 0 255	17.93	6.70	1.99	4.08
	127 63 0	3.06	7.03	0.93	4.21
	127 63 63	2.29	0.66	0.90	1.40
	127 63 127	8.19	2.81	0.40	3.23
	127 63 191	16.46	2.46	0.42	3.89
	127 63 255	14.11	5.75	1.23	3.47
	127 127 0	15.66	5.19	2.73	5.84
	127 127 63	7.98	4.68	2.69	5.09
	127 127 127	2.61	0.32	2.37	3.54
	127 127 191	7.06	1.48	1.78	3.34
	127 127 255	4.60	2.95	1.05	2.07
	127 191 0	21.94	2.74	3.45	5.90
	127 191 63	14.51	1.16	3.44	4.96
	127 191 127	4.70	0.28	3.24	3.62
	127 191 191	0.06	2.13	2.85	3.27
	127 191 255	0.86	0.50	2.34	2.38
	127 255 0	21.58	13.67	1.41	6.48
	127 255 63	13.30	10.47	1.41	5.04
	127 255 127	0.81	5.05	1.30	2.67
	127 255 191	6.60	0.45	1.09	2.23
	127 255 255	5.63	1.33	0.77	2.40
	191 0 0	1.23	7.00	0.25	3.11
	191 0 63	1.90	0.29	0.38	0.61
	191 0 127	4.84	5.45	0.01	2.85
	191 0 191	13.66	2.81	0.68	2.96
	191 0 255	13.55	2.24	1.32	2.64
	191 63 0	4.14	9.57	0.60	4.64
	191 63 63	2.25	2.36	0.68	1.56
	191 63 127	3.08	5.73	0.38	3.22
	191 63 191	11.97	3.32	0.18	3.07
	191 63 255	11.19	1.82	0.83	2.23
	191 127 0	12.99	12.01	2.28	7.21
	191 127 63	4.04	9.66	2.35	6.23
	191 127 127	4.12	0.26	2.10	2.82
	191 127 191	4.58	3.53	1.64	3.14
	191 127 255	3.51	0.35	1.05	1.34
	191 191 0	22.68	4.73	3.19	6.34
	191 191 63	14.99	4.81	3.22	5.61
	191 191 127	4.82	4.27	3.06	4.59
	191 191 191	2.33	0.34	2.73	3.60

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Rendering Intent	-

(1) Five equally spaced code values for each channel

	RGB	Delta C	Delta H	Delta L	Delta E94
	191 191 255	1.27	0.60	2.28	2.37
	191 255 0	24.58	8.64	1.33	5.77
	191 255 63	16.22	6.84	1.37	4.51
	191 255 127	3.46	3.70	1.27	2.39
	191 255 191	4.50	1.47	1.07	2.13
	191 255 255	4.34	0.74	0.79	2.44
	255 0 0	4.41	12.28	1.53	5.08
	255 0 63	3.74	1.64	1.63	1.92
	255 0 127	0.29	8.21	1.87	4.08
	255 0 191	8.96	8.95	2.28	4.66
	255 0 255	10.81	3.63	2.70	3.48
	255 63 0	5.20	13.94	1.03	5.82
	255 63 63	4.23	4.22	1.12	2.35
	255 63 127	2.53	7.39	1.35	3.77
	255 63 191	7.05	9.38	1.75	4.73
	255 63 255	8.65	3.85	2.18	3.04
	255 127 0	10.08	18.03	0.85	8.20
	255 127 63	0.59	13.28	0.81	6.47
	255 127 127	8.34	0.87	0.59	2.56
	255 127 191	1.11	7.60	0.23	4.13
	255 127 255	1.05	4.18	0.23	1.95
	255 191 0	21.26	14.94	2.20	8.28
	255 191 63	12.35	14.16	2.14	7.79
	255 191 127	0.14	10.72	1.98	6.76
	255 191 191	7.09	0.25	1.70	3.77
	255 191 255	4.22	3.43	1.30	2.92
	255 255 0	27.46	0.44	0.63	5.16
	255 255 63	18.84	1.49	0.60	3.94
	255 255 127	5.58	2.19	0.49	1.91
	255 255 191	1.97	1.10	0.30	1.14
	255 255 255 (1)	-	-	-	-
	Average (2)	8.91	5.11	1.54	3.97
	Maximum (2)	29.64	18.03	3.51	8.28

(1) Visual adaptation to display whitepoint is assumed; CIELAB reference values are adapted (Bradford transformation) to display whitepoint
(2) Without Black

Color Space	Gamut Volume CIELAB D50
sRGB	91%