

Colorimetric Report

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CCalc 2.6
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Date	Monday, March 18, 2024
Tester	Simon Blohm
Display	LG 38WR85QC-W
Sensor	X-Rite i1 Display Pro (Corr.: Generic)
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)	6429 Kelvin
White Point XYZ (normalized)	96.30 100.00 110.00
DeltaE to D50/ D65	20.11/ 2.29
Assumed Target Whitepoint (2)	6400 Kelvin
DeltaE to Assumed Target Whitepoint	2.77
Brightness	126.12 cd/m ²
Black Point	0.13 cd/m ²
Contrast (x:1)	970:1
Gradation (Average)	2.12

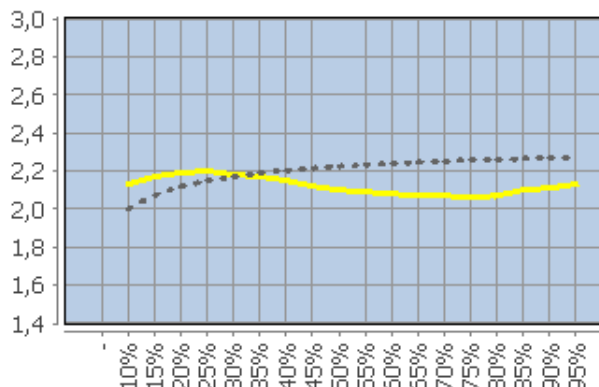
(2) Daylight

	Percent	Kelvin	Delta C	Delta E	Gamma
	5	-	-	-	-
	10	6544	0.42	2.35	2.13
	15	7009	1.51	2.35	2.17
	20	6940	1.19	1.84	2.19
	25	6921	1.39	1.70	2.20
	30	6763	1.58	1.59	2.18
	35	6801	1.77	1.81	2.17
	40	6719	1.84	2.10	2.15
	45	6721	1.69	2.36	2.12
	50	6678	1.69	2.61	2.10
	55	6650	1.42	2.53	2.09
	60	6603	1.33	2.56	2.08
	65	6591	1.19	2.45	2.07
	70	6576	1.13	2.27	2.07
	75	6554	0.97	2.03	2.06
	80	6541	0.88	1.63	2.07
	85	6510	0.67	1.15	2.10
	90	6488	0.49	0.78	2.11
	95	6467	0.31	0.42	2.13
	100 (3)	6430	-	-	-
	Average (4)	-	1.24	1.89	2.12
	Maximum (4)	-	1.84	2.61	-
	Range (4)	-	1.84	-	-

(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	2.07	0.00	0.95	2.27
	0 0 63	2.76	1.07	1.00	1.52
	0 0 127	2.81	3.54	3.24	3.67
	0 0 191	4.54	4.81	3.54	4.07
	0 0 255	8.38	6.00	3.17	3.93
	0 63 0	1.41	0.60	1.21	1.35
	0 63 63	0.40	1.38	0.99	1.48
	0 63 127	4.89	1.10	0.05	1.82
	0 63 191	1.72	3.12	1.26	1.94
	0 63 255	4.26	5.22	1.74	2.70
	0 127 0	4.10	0.46	1.00	1.41
	0 127 63	5.14	0.02	1.10	1.88
	0 127 127	4.44	1.31	1.45	2.55
	0 127 191	3.42	6.22	1.66	4.33
	0 127 255	3.14	10.77	1.65	5.42
	0 191 0	5.54	0.49	0.99	1.45
	0 191 63	5.26	0.07	1.01	1.50
	0 191 127	2.96	3.21	1.20	2.23
	0 191 191	6.15	0.29	1.32	2.56
	0 191 255	4.31	9.48	1.21	5.91
	0 255 0	3.39	1.81	0.45	0.95
	0 255 63	2.28	0.74	0.43	0.64
	0 255 127	0.65	3.12	0.31	1.37
	0 255 191	1.50	3.95	0.19	2.02
	0 255 255	5.90	0.73	0.25	1.88
	63 0 0	1.07	1.37	0.24	1.04
	63 0 63	1.16	1.07	0.15	0.78
	63 0 127	0.06	5.11	1.29	2.74
	63 0 191	2.72	7.73	1.67	3.48
	63 0 255	6.80	9.26	1.24	3.50
	63 63 0	1.14	1.34	1.19	1.54
	63 63 63	1.60	0.16	1.01	1.90
	63 63 127	5.27	2.22	0.18	2.32
	63 63 191	2.05	5.51	0.44	2.61
	63 63 255	3.61	8.86	0.29	3.38
	63 127 0	4.62	0.49	1.01	1.57
	63 127 63	4.74	0.59	1.11	1.96
	63 127 127	4.70	1.02	1.42	2.89
	63 127 191	2.67	6.48	1.63	4.49
	63 127 255	3.64	11.35	1.49	5.67
	63 191 0	5.09	0.60	1.03	1.45
	63 191 63	4.77	0.18	1.06	1.49
	63 191 127	2.31	3.12	1.25	2.22
	63 191 191	5.63	0.35	1.36	2.57
	63 191 255	3.30	9.01	1.23	5.69
	63 255 0	3.09	2.06	0.40	0.98
	63 255 63	2.22	1.18	0.38	0.70

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Target	sRGB
Display Profile	Not considered
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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	1.05	2.79	0.24	1.25
	63 255 191	0.93	3.75	0.11	1.94
	63 255 255	5.35	0.72	0.17	1.78
	127 0 0	5.67	1.81	1.69	2.46
	127 0 63	2.18	3.32	1.72	2.63
	127 0 127	1.46	1.32	2.13	2.25
	127 0 191	1.17	3.41	2.15	2.57
	127 0 255	5.73	5.60	1.59	2.66
	127 63 0	6.22	3.75	0.46	2.89
	127 63 63	5.20	0.49	0.63	2.31
	127 63 127	4.75	0.86	1.06	1.97
	127 63 191	1.82	2.35	1.34	1.78
	127 63 255	3.74	4.90	1.09	2.25
	127 127 0	4.62	2.70	1.64	2.54
	127 127 63	3.62	1.58	1.70	2.42
	127 127 127	1.49	0.20	1.97	2.48
	127 127 191	0.17	3.08	2.13	2.91
	127 127 255	4.98	6.65	2.02	3.95
	127 191 0	4.09	3.15	1.39	2.15
	127 191 63	3.31	2.54	1.40	2.04
	127 191 127	0.66	1.06	1.58	1.72
	127 191 191	2.41	0.57	1.69	2.14
	127 191 255	0.32	6.41	1.54	4.37
	127 255 0	2.32	4.04	0.15	1.59
	127 255 63	0.96	3.02	0.13	1.23
	127 255 127	2.98	0.79	0.02	0.75
	127 255 191	1.40	2.60	0.11	1.50
	127 255 255	2.83	0.51	0.06	1.11
	191 0 0	7.41	1.46	2.01	2.62
	191 0 63	5.20	3.06	2.02	2.81
	191 0 127	3.06	0.59	2.29	2.42
	191 0 191	0.61	0.82	2.38	2.40
	191 0 255	4.15	1.40	2.03	2.19
	191 63 0	8.87	0.90	1.28	2.44
	191 63 63	6.82	0.18	1.31	2.29
	191 63 127	4.57	1.49	1.67	2.25
	191 63 191	2.43	0.63	1.86	1.96
	191 63 255	3.15	1.28	1.68	1.83
	191 127 0	7.06	1.31	2.02	2.76
	191 127 63	5.69	0.48	2.05	2.75
	191 127 127	1.59	1.56	2.26	2.62
	191 127 191	0.09	0.73	2.41	2.45
	191 127 255	4.88	2.05	2.28	2.73
	191 191 0	5.86	3.51	1.56	2.59
	191 191 63	3.91	2.85	1.56	2.37
	191 191 127	1.37	1.51	1.71	2.06
	191 191 191	1.02	0.20	1.82	2.09

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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	3.11	2.69	1.70	2.75
	191 255 0	3.40	5.00	0.03	2.08
	191 255 63	1.42	4.13	0.02	1.77
	191 255 127	3.38	1.18	0.16	1.03
	191 255 191	2.71	1.06	0.29	1.21
	191 255 255	1.22	0.45	0.23	0.75
	255 0 0	8.39	3.35	1.34	2.38
	255 0 63	5.36	1.58	1.34	1.83
	255 0 127	3.00	2.27	1.57	1.96
	255 0 191	1.87	1.36	1.77	1.89
	255 0 255	2.58	0.17	1.59	1.65
	255 63 0	8.22	1.44	1.06	1.94
	255 63 63	5.84	1.01	1.09	1.70
	255 63 127	3.37	2.80	1.33	2.03
	255 63 191	2.17	1.51	1.53	1.73
	255 63 255	2.19	0.16	1.41	1.47
	255 127 0	7.04	1.66	1.69	2.35
	255 127 63	4.74	1.71	1.73	2.23
	255 127 127	0.64	1.56	1.93	2.12
	255 127 191	0.34	1.03	2.07	2.15
	255 127 255	4.52	0.44	1.97	2.22
	255 191 0	6.94	1.14	1.33	2.04
	255 191 63	4.94	0.87	1.36	1.85
	255 191 127	0.49	1.59	1.48	1.77
	255 191 191	0.46	1.06	1.59	1.78
	255 191 255	3.68	0.34	1.46	1.98
	255 255 0	4.46	2.30	0.25	1.28
	255 255 63	2.62	1.85	0.21	0.99
	255 255 127	2.69	1.02	0.03	0.88
	255 255 191	3.08	0.74	0.12	1.36
	255 255 255 (1)	-	-	-	-
	Average (2)	3.45	2.39	1.24	2.23
	Maximum (2)	8.87	11.35	3.54	5.91

(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	98%

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Rendering Intent	-

(1) Five equally spaced code values for each channel

Property	Device adjustments
Backlight brightness	
Brightness	24
Contrast	70
RGB Gain	50 50 50
Gradation	Modus 2
Other	Helligkeit und RGB-Werte können angepasst werden.