

Colorimetric Report

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Date	Thursday, October 21, 2020
Tester	Oliver Jachmann
Display	LG 27GN950-B
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)	6632 Kelvin
White Point XYZ (normalized)	93.55 100.00 108.23
DeltaE to D50/ D65	19.58/ 2.67
Assumed Target Whitepoint (2)	6600 Kelvin
DeltaE to Assumed Target Whitepoint	2.83
Brightness	387.01 cd/m ²
Black Point	0.35 cd/m ²
Contrast (x:1)	1106:1
Gradation (Average)	2.29

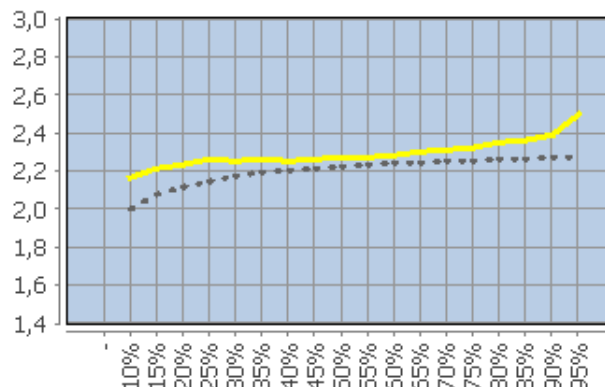
(2) Daylight

	Percent	Kelvin	Delta C	Delta E	Gamma
	5	-	-	-	-
	10	7325	1.11	2.92	2.16
	15	7014	0.84	2.75	2.21
	20	6910	0.69	2.28	2.23
	25	6884	0.70	2.26	2.26
	30	6816	0.59	1.70	2.25
	35	6806	0.63	1.43	2.26
	40	6765	0.54	1.08	2.25
	45	6768	0.64	0.99	2.26
	50	6753	0.68	0.95	2.27
	55	6761	0.72	0.92	2.27
	60	6766	0.77	0.92	2.28
	65	6758	0.75	0.96	2.30
	70	6748	0.74	1.00	2.31
	75	6748	0.77	0.96	2.32
	80	6755	0.91	1.13	2.35
	85	6756	0.99	1.13	2.36
	90	6741	0.88	0.98	2.39
	95	6707	0.67	0.80	2.50
	100 (3)	6632	-	-	-
	Average (4)	-	0.74	1.31	2.29
	Maximum (4)	-	0.99	2.75	-
	Range (4)	-	0.99	-	-

(3) Visual adaptation to display whitepoint is assumed

(4) Only luminance > 1% considered

Corresponding Gamma



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Rendering Intent	-

(1) Five equally spaced code values for each channel

	RGB	Delta C	Delta H	Delta L	Delta E94
	0 0 0	1.12	0.00	0.81	1.39
	0 0 63	1.60	0.31	0.01	0.57
	0 0 127	5.89	2.51	0.68	1.85
	0 0 191	10.02	4.08	1.27	2.64
	0 0 255	14.05	5.37	1.59	3.12
	0 63 0	3.96	3.95	1.98	3.38
	0 63 63	3.37	0.38	2.08	2.79
	0 63 127	6.06	2.98	2.03	3.44
	0 63 191	9.85	4.22	2.09	3.56
	0 63 255	13.85	5.56	2.16	3.76
	0 127 0	17.74	1.60	0.88	4.37
	0 127 63	14.14	1.65	0.87	4.39
	0 127 127	7.80	0.86	0.89	3.49
	0 127 191	4.17	1.77	1.05	2.09
	0 127 255	6.72	1.00	1.18	2.01
	0 191 0	26.10	1.23	0.69	4.96
	0 191 63	22.13	2.61	0.67	4.84
	0 191 127	15.60	3.00	0.70	4.59
	0 191 191	11.12	1.56	0.80	4.15
	0 191 255	6.32	3.39	0.92	3.01
	0 255 0	34.73	1.27	0.23	5.46
	0 255 63	31.17	2.83	0.18	5.32
	0 255 127	23.91	4.87	0.14	5.16
	0 255 191	19.67	2.08	0.01	5.02
	0 255 255	14.80	2.86	0.17	4.83
	63 0 0	0.49	3.34	0.78	2.38
	63 0 63	2.29	0.88	1.19	1.52
	63 0 127	7.21	1.58	1.23	2.20
	63 0 191	10.66	3.33	1.53	2.75
	63 0 255	14.41	4.85	1.79	3.20
	63 63 0	0.49	1.14	2.16	2.30
	63 63 63	0.76	0.13	2.21	2.34
	63 63 127	6.94	1.62	2.12	3.39
	63 63 191	10.43	3.40	2.16	3.53
	63 63 255	14.01	4.97	2.24	3.72
	63 127 0	16.00	2.08	0.95	4.33
	63 127 63	12.05	2.50	0.91	4.36
	63 127 127	6.79	0.51	0.93	3.60
	63 127 191	4.06	1.87	1.05	2.15
	63 127 255	6.76	0.69	1.19	2.00
	63 191 0	25.07	1.63	0.73	4.97
	63 191 63	20.96	3.14	0.70	4.86
	63 191 127	14.35	3.59	0.72	4.66
	63 191 191	10.42	1.27	0.81	4.18
	63 191 255	5.99	3.55	0.91	3.08
	63 255 0	33.99	1.62	0.11	5.46
	63 255 63	30.16	3.21	0.07	5.30

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Target	sRGB
Display Profile	Not considered
Rendering Intent	-

(1) Five equally spaced code values for each channel

	RGB	Delta C	Delta H	Delta L	Delta E94
	63 255 127	22.73	5.34	0.04	5.17
	63 255 191	18.71	2.62	0.07	5.04
	63 255 255	14.17	2.62	0.26	4.82
	127 0 0	6.57	3.52	0.16	2.55
	127 0 63	7.41	1.62	0.33	2.46
	127 0 127	9.00	2.09	0.49	2.47
	127 0 191	11.22	3.74	0.86	2.73
	127 0 255	14.41	5.05	1.20	3.04
	127 63 0	7.79	4.15	1.28	3.58
	127 63 63	7.57	1.59	1.32	3.63
	127 63 127	9.61	1.59	1.31	3.58
	127 63 191	11.49	3.75	1.46	3.44
	127 63 255	14.29	5.20	1.63	3.53
	127 127 0	12.64	0.69	0.67	3.59
	127 127 63	6.75	0.17	0.62	2.66
	127 127 127	0.80	0.15	0.61	1.01
	127 127 191	4.19	0.88	0.74	1.83
	127 127 255	7.60	2.32	0.86	2.28
	127 191 0	20.81	0.28	0.57	4.43
	127 191 63	15.71	1.28	0.53	3.90
	127 191 127	8.16	2.81	0.53	3.34
	127 191 191	5.54	0.39	0.62	2.91
	127 191 255	4.08	1.47	0.71	1.91
	127 255 0	30.21	0.42	0.15	5.10
	127 255 63	25.97	1.92	0.12	4.78
	127 255 127	17.94	4.47	0.09	4.46
	127 255 191	14.10	2.67	0.01	4.39
	127 255 255	10.46	1.93	0.18	4.12
	191 0 0	12.66	1.64	0.05	2.74
	191 0 63	11.43	0.05	0.14	2.77
	191 0 127	11.82	0.62	0.26	2.80
	191 0 191	13.01	3.09	0.51	2.87
	191 0 255	15.35	4.66	0.86	3.07
	191 63 0	14.64	2.18	0.79	3.59
	191 63 63	11.70	2.06	0.81	3.49
	191 63 127	12.27	0.73	0.85	3.55
	191 63 191	13.59	2.75	1.00	3.42
	191 63 255	15.39	4.67	1.23	3.45
	191 127 0	15.08	0.86	0.44	3.83
	191 127 63	9.01	1.01	0.40	2.95
	191 127 127	5.21	1.90	0.40	2.75
	191 127 191	7.28	1.33	0.52	2.69
	191 127 255	9.62	3.00	0.65	2.74
	191 191 0	19.14	1.17	0.44	4.30
	191 191 63	13.08	0.19	0.41	3.42
	191 191 127	3.54	0.68	0.41	1.53
	191 191 191	0.82	0.18	0.49	0.97

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Target	sRGB
Display Profile	Not considered
Rendering Intent	-

(1) Five equally spaced code values for each channel

	RGB	Delta C	Delta H	Delta L	Delta E94
	191 191 255	4.08	0.62	0.59	1.76
	191 255 0	26.78	0.41	0.14	4.84
	191 255 63	21.92	0.91	0.12	4.32
	191 255 127	12.68	3.35	0.09	3.54
	191 255 191	8.52	2.83	0.01	3.52
	191 255 255	6.03	1.05	0.16	3.22
	255 0 0	19.96	0.34	0.82	3.60
	255 0 63	16.45	0.64	0.71	3.32
	255 0 127	15.35	0.70	0.60	3.26
	255 0 191	15.91	2.55	0.35	3.21
	255 0 255	17.02	4.74	0.04	3.25
	255 63 0	20.78	0.73	0.26	3.87
	255 63 63	16.66	2.09	0.19	3.61
	255 63 127	15.46	2.17	0.12	3.68
	255 63 191	16.27	1.77	0.07	3.48
	255 63 255	17.19	4.50	0.38	3.48
	255 127 0	20.33	0.69	0.36	4.21
	255 127 63	14.70	1.70	0.35	3.60
	255 127 127	10.81	2.91	0.33	3.56
	255 127 191	11.73	0.71	0.20	3.33
	255 127 255	12.60	3.50	0.01	3.23
	255 191 0	21.30	2.17	0.13	4.57
	255 191 63	15.05	2.16	0.14	3.76
	255 191 127	6.18	3.28	0.12	2.87
	255 191 191	5.99	1.90	0.02	3.16
	255 191 255	7.54	1.97	0.12	2.96
	255 255 0	25.17	2.12	0.38	4.79
	255 255 63	19.64	1.29	0.33	4.05
	255 255 127	8.82	0.05	0.29	2.33
	255 255 191	3.34	0.26	0.20	1.39
	255 255 255 (1)	-	-	-	-
	Average (2)	12.65	2.13	0.70	3.44
	Maximum (2)	34.73	5.56	2.24	5.46

(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	99%