

Colorimetric Report

Page (1/4)



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Date	Tuesday, December 6, 2022
Tester	Oliver Jachmann
Display	Iiyama GB2790QSU
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)	5973 Kelvin
White Point XYZ (normalized)	95.61 100.00 101.08
DeltaE to D50/ D65	14.06/ 4.99
Assumed Target Whitepoint (2)	6000 Kelvin
DeltaE to Assumed Target Whitepoint	0.69
Brightness	257.96 cd/m²
Black Point	0.24 cd/m²
Contrast (x:1)	1075:1
Gradation (Average)	2.29

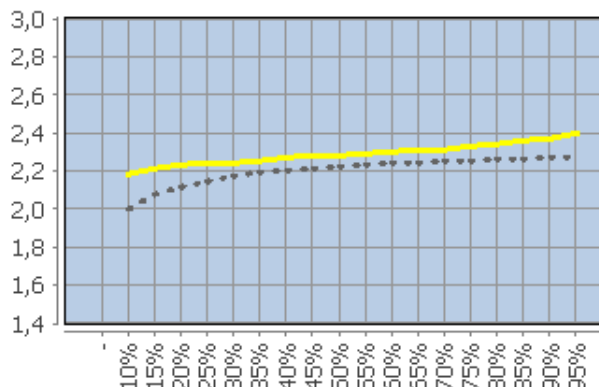
(2) Daylight

	Percent	Kelvin	Delta C	Delta E	Gamma
	5	-	-	-	-
	10	6334	0.79	3.12	2.18
	15	6126	0.60	2.64	2.21
	20	6046	0.51	2.15	2.23
	25	6012	0.48	1.76	2.24
	30	6005	0.49	1.48	2.24
	35	5980	0.62	1.38	2.25
	40	5971	0.60	1.29	2.27
	45	5983	0.30	1.08	2.28
	50	5967	0.51	1.06	2.28
	55	5984	0.40	0.97	2.29
	60	5979	0.41	0.91	2.30
	65	5987	0.34	0.79	2.31
	70	5989	0.27	0.71	2.31
	75	5990	0.32	0.73	2.33
	80	5989	0.24	0.63	2.34
	85	5992	0.17	0.53	2.36
	90	5991	0.18	0.42	2.37
	95	5985	0.12	0.27	2.40
	100 (3)	5974	-	-	-
	Average (4)	-	0.39	1.11	2.29
	Maximum (4)	-	0.62	2.64	-
	Range (4)	-	0.62	-	-

(3) Visual adaptation to display whitepoint is assumed

(4) Only luminance > 1% considered

Corresponding Gamma



Colorimetric Report

Page (2/4)



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Display Profile	Not considered
Rendering Intent	-

(1) Five equally spaced code values for each channel

	RGB	Delta C	Delta H	Delta L	Delta E94
	0 0 0	0.72	0.00	0.84	1.10
	0 0 63	5.44	4.13	0.60	3.16
	0 0 127	6.46	6.66	0.80	3.44
	0 0 191	6.62	8.55	1.02	3.61
	0 0 255	6.25	9.98	1.24	3.65
	0 63 0	2.29	5.30	2.07	3.90
	0 63 63	6.06	1.40	1.80	3.93
	0 63 127	0.32	6.44	1.21	4.13
	0 63 191	1.61	7.74	0.50	3.59
	0 63 255	2.84	9.52	0.24	3.58
	0 127 0	10.23	6.61	1.73	4.36
	0 127 63	12.03	4.33	1.51	4.58
	0 127 127	11.78	2.44	1.27	5.45
	0 127 191	4.68	10.71	0.84	6.83
	0 127 255	0.52	11.93	0.21	5.66
	0 191 0	15.79	8.58	1.69	4.89
	0 191 63	16.70	7.41	1.46	5.03
	0 191 127	16.94	4.89	1.33	5.45
	0 191 191	16.35	2.89	1.12	6.18
	0 191 255	10.06	12.25	0.67	7.98
	0 255 0	21.64	11.03	0.88	5.27
	0 255 63	22.25	10.15	0.88	5.40
	0 255 127	21.93	8.80	0.78	5.78
	0 255 191	22.11	4.63	0.79	6.04
	0 255 255	21.03	3.49	0.58	6.79
	63 0 0	2.76	2.40	0.04	1.95
	63 0 63	0.52	1.51	0.19	0.96
	63 0 127	2.93	2.74	0.30	1.49
	63 0 191	4.67	6.18	0.65	2.63
	63 0 255	4.84	8.39	0.98	3.07
	63 63 0	1.71	1.96	1.90	2.39
	63 63 63	0.49	0.07	1.71	1.78
	63 63 127	0.68	2.89	1.24	2.19
	63 63 191	0.74	5.57	0.55	2.62
	63 63 255	2.03	7.93	0.08	2.99
	63 127 0	6.54	4.36	1.81	3.31
	63 127 63	7.71	3.97	1.57	3.83
	63 127 127	8.62	1.28	1.23	4.67
	63 127 191	2.98	9.16	0.89	5.92
	63 127 255	0.03	10.65	0.23	5.08
	63 191 0	13.48	7.36	1.65	4.37
	63 191 63	13.98	6.92	1.50	4.65
	63 191 127	13.92	5.26	1.38	5.15
	63 191 191	14.54	2.41	1.08	5.92
	63 191 255	8.69	11.63	0.72	7.65
	63 255 0	19.94	10.24	0.87	4.97
	63 255 63	20.23	9.78	0.90	5.17

Colorimetric Report

Page (3/4)



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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	19.51	8.77	0.88	5.57
	63 255 191	20.32	4.92	0.80	5.90
	63 255 255	19.77	3.28	0.67	6.68
	127 0 0	9.14	3.08	0.42	2.96
	127 0 63	7.71	2.90	0.29	2.89
	127 0 127	2.99	2.89	0.53	1.68
	127 0 191	0.44	0.10	0.72	0.73
	127 0 255	1.78	3.44	0.95	1.55
	127 63 0	8.80	6.89	0.92	4.83
	127 63 63	8.94	1.41	0.83	3.99
	127 63 127	4.93	2.40	0.49	2.24
	127 63 191	1.89	0.13	0.17	0.46
	127 63 255	0.20	3.03	0.31	1.19
	127 127 0	3.92	4.23	1.29	2.82
	127 127 63	2.61	2.39	1.08	2.14
	127 127 127	0.52	0.09	0.90	1.04
	127 127 191	0.56	2.54	0.53	1.74
	127 127 255	0.23	5.37	0.07	2.58
	127 191 0	7.78	1.81	1.43	2.32
	127 191 63	7.50	2.40	1.29	2.52
	127 191 127	6.15	3.51	1.09	3.21
	127 191 191	8.03	1.20	0.90	4.30
	127 191 255	3.96	8.33	0.48	5.53
	127 255 0	14.79	6.58	0.74	3.60
	127 255 63	14.82	6.52	0.76	3.83
	127 255 127	13.39	6.83	0.75	4.38
	127 255 191	14.27	4.64	0.65	4.95
	127 255 255	14.93	2.64	0.50	5.87
	191 0 0	16.88	0.85	0.86	3.65
	191 0 63	13.83	1.31	0.83	3.51
	191 0 127	9.66	3.96	0.87	3.08
	191 0 191	5.42	4.10	1.00	2.24
	191 0 255	2.38	1.82	1.17	1.39
	191 63 0	17.42	4.09	0.14	4.43
	191 63 63	14.66	2.04	0.07	4.17
	191 63 127	11.09	2.60	0.11	3.40
	191 63 191	6.78	3.99	0.35	2.40
	191 63 255	3.62	1.88	0.64	1.16
	191 127 0	11.21	8.03	0.71	4.96
	191 127 63	9.06	6.21	0.56	4.65
	191 127 127	7.91	1.62	0.43	3.79
	191 127 191	4.58	2.37	0.13	2.15
	191 127 255	2.15	0.38	0.21	0.57
	191 191 0	6.99	4.90	1.09	2.95
	191 191 63	5.37	4.01	0.87	2.63
	191 191 127	1.47	1.98	0.77	1.63
	191 191 191	0.33	0.11	0.61	0.70

Colorimetric Report

Page (4/4)



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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	0.74	2.49	0.26	1.69
	191 255 0	10.25	1.19	0.56	1.99
	191 255 63	9.62	1.71	0.58	2.10
	191 255 127	6.94	2.93	0.52	2.30
	191 255 191	6.67	3.47	0.40	3.24
	191 255 255	8.17	1.39	0.39	4.37
	255 0 0	25.48	1.92	1.71	4.84
	255 0 63	19.77	0.30	1.72	4.24
	255 0 127	16.02	3.13	1.76	4.02
	255 0 191	11.75	6.05	1.80	3.79
	255 0 255	7.61	6.13	1.83	3.15
	255 63 0	25.11	1.75	0.99	4.81
	255 63 63	20.23	2.29	1.01	4.46
	255 63 127	16.85	1.23	1.03	4.03
	255 63 191	12.92	5.33	1.21	3.78
	255 63 255	8.55	5.76	1.31	2.99
	255 127 0	20.11	7.61	0.17	5.32
	255 127 63	17.07	6.75	0.27	5.21
	255 127 127	14.75	3.04	0.46	4.65
	255 127 191	11.73	3.20	0.59	3.78
	255 127 255	7.71	4.58	0.90	2.86
	255 191 0	13.10	9.76	0.35	5.14
	255 191 63	10.70	8.91	0.25	5.04
	255 191 127	7.49	7.48	0.16	5.16
	255 191 191	8.11	1.69	0.03	4.04
	255 191 255	4.87	2.76	0.23	2.46
	255 255 0	9.79	5.09	0.20	2.77
	255 255 63	8.27	4.78	0.21	2.68
	255 255 127	4.04	3.30	0.12	2.01
	255 255 191	1.53	1.58	0.12	1.24
	255 255 255 (1)	-	-	-	-
	Average (2)	9.12	4.59	0.81	3.70
	Maximum (2)	25.48	12.25	2.07	7.98

(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%