

Colorimetric Report

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CCalc 2.5
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Date	Thursday, December 5, 2024
Tester	Manuel Findeis
Display	Sharp MultiSync EA272U
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)	95.96 100.00 112.48
DeltaE to D50/ D65	21.77/ 2.70
Assumed Target Whitepoint (2)	6600 Kelvin
DeltaE to Assumed Target Whitepoint	2.15
Brightness	139.15 cd/m ²
Black Point	0.20 cd/m ²
Contrast (x:1)	696:1
Gradation (Average)	2.03

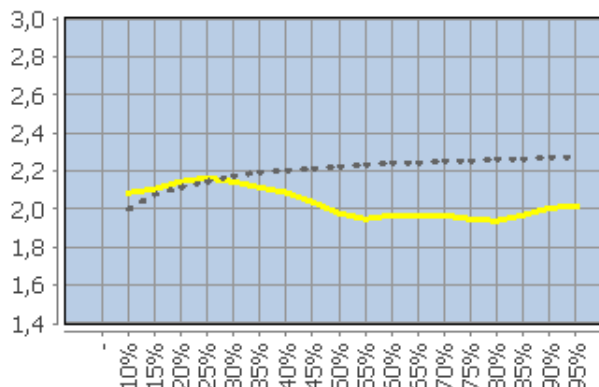
(2) Daylight

	Percent	Kelvin	Delta C	Delta E	Gamma
	5	-	-	-	-
	10	7662	1.97	2.48	2.08
	15	7327	1.46	1.57	2.10
	20	7012	1.02	1.10	2.14
	25	6858	0.69	0.70	2.16
	30	6724	0.30	0.75	2.14
	35	6740	0.38	1.46	2.11
	40	6636	0.33	2.34	2.08
	45	6677	0.20	3.10	2.04
	50	6602	0.16	3.97	1.98
	55	6704	1.01	4.39	1.95
	60	6680	0.76	3.86	1.97
	65	6714	0.71	3.52	1.97
	70	6686	0.58	3.06	1.97
	75	6688	0.63	2.83	1.95
	80	6735	1.00	2.60	1.94
	85	6719	1.10	1.98	1.97
	90	6726	0.80	1.24	2.01
	95	6687	0.66	0.82	2.02
	100 (3)	6632	-	-	-
	Average (4)	-	0.69	2.31	2.03
	Maximum (4)	-	1.46	4.39	-
	Range (4)	-	1.92	-	-

(3) Visual adaptation to display whitepoint is assumed

(4) Only luminance > 1% considered

Corresponding Gamma



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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
	0 0 0	1.33	0.00	1.30	1.86
	0 0 63	0.43	0.44	0.91	0.96
	0 0 127	6.24	0.97	1.46	2.04
	0 0 191	7.31	0.86	0.56	1.41
	0 0 255	6.21	0.72	0.82	1.23
	0 63 0	5.31	5.76	0.96	4.04
	0 63 63	5.73	0.43	0.92	3.28
	0 63 127	9.13	0.83	0.24	3.21
	0 63 191	9.04	0.35	0.40	2.03
	0 63 255	6.80	0.82	1.32	1.75
	0 127 0	20.35	6.26	1.73	5.95
	0 127 63	18.89	4.35	1.84	6.40
	0 127 127	13.34	0.49	2.00	6.04
	0 127 191	5.87	8.79	1.80	6.04
	0 127 255	0.29	10.32	1.09	5.02
	0 191 0	26.98	7.97	0.58	6.04
	0 191 63	24.47	8.30	0.57	6.35
	0 191 127	18.14	8.32	0.73	6.65
	0 191 191	16.89	0.65	0.73	6.06
	0 191 255	9.62	12.58	0.32	8.08
	0 255 0	29.91	9.39	2.11	6.14
	0 255 63	27.19	10.65	2.11	6.41
	0 255 127	19.93	13.70	1.98	7.31
	0 255 191	19.04	9.51	1.97	7.01
	0 255 255	19.11	0.76	2.17	6.28
	63 0 0	1.48	0.15	1.94	2.03
	63 0 63	0.18	1.80	1.51	1.87
	63 0 127	6.40	0.72	1.64	2.23
	63 0 191	7.12	0.39	0.93	1.57
	63 0 255	5.76	0.21	0.43	0.94
	63 63 0	1.06	0.10	0.30	0.51
	63 63 63	0.64	0.11	0.26	0.70
	63 63 127	8.57	0.04	0.22	3.03
	63 63 191	8.52	0.12	0.11	1.89
	63 63 255	6.05	0.52	0.78	1.29
	63 127 0	17.53	5.76	2.07	5.73
	63 127 63	15.89	4.28	2.19	6.26
	63 127 127	11.39	0.78	2.46	6.34
	63 127 191	3.96	8.88	2.21	6.17
	63 127 255	1.45	9.42	1.49	4.74
	63 191 0	24.68	7.04	0.87	5.70
	63 191 63	21.84	7.44	0.95	5.95
	63 191 127	15.78	8.18	1.08	6.51
	63 191 191	15.37	0.73	1.00	6.03
	63 191 255	7.85	12.33	0.67	7.93
	63 255 0	28.18	8.52	1.95	5.80
	63 255 63	24.96	9.88	1.93	6.02

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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	17.46	13.32	1.81	7.02
	63 255 191	16.90	9.48	1.80	6.79
	63 255 255	17.81	0.76	1.98	6.08
	127 0 0	11.64	1.93	4.93	5.91
	127 0 63	8.18	7.29	4.79	6.80
	127 0 127	6.75	4.07	4.65	5.32
	127 0 191	5.61	4.09	3.73	4.22
	127 0 255	3.88	4.23	2.23	2.73
	127 63 0	13.49	4.18	2.95	5.59
	127 63 63	11.62	0.76	3.07	5.81
	127 63 127	10.10	3.02	3.10	4.92
	127 63 191	7.89	4.35	2.65	3.78
	127 63 255	4.87	4.31	1.62	2.45
	127 127 0	13.44	1.80	3.61	5.28
	127 127 63	9.21	1.12	3.72	5.18
	127 127 127	0.06	0.00	3.82	3.82
	127 127 191	0.16	0.67	3.60	3.63
	127 127 255	2.58	1.51	2.97	3.12
	127 191 0	17.46	0.37	1.95	4.17
	127 191 63	13.51	0.61	2.00	3.86
	127 191 127	5.41	3.74	2.15	3.65
	127 191 191	5.89	0.44	2.14	3.71
	127 191 255	0.69	7.06	1.73	4.83
	127 255 0	20.74	1.57	1.11	3.72
	127 255 63	16.92	3.18	1.03	3.49
	127 255 127	8.06	7.74	0.90	4.08
	127 255 191	7.71	6.77	0.93	4.48
	127 255 255	9.64	0.21	1.11	3.78
	191 0 0	16.65	5.00	4.89	6.40
	191 0 63	12.00	6.13	4.84	6.39
	191 0 127	8.97	3.10	4.83	5.47
	191 0 191	7.31	4.97	4.33	5.00
	191 0 255	4.40	6.27	3.21	3.99
	191 63 0	18.50	1.90	3.71	5.70
	191 63 63	13.38	2.22	3.79	5.41
	191 63 127	10.66	1.01	3.83	4.88
	191 63 191	9.09	4.55	3.57	4.61
	191 63 255	5.54	6.26	2.70	3.75
	191 127 0	17.07	1.01	4.17	6.00
	191 127 63	11.84	1.43	4.24	5.73
	191 127 127	4.14	0.11	4.43	4.81
	191 127 191	2.04	2.44	4.21	4.52
	191 127 255	1.32	3.06	3.63	3.92
	191 191 0	17.56	1.82	2.61	4.76
	191 191 63	12.61	1.20	2.71	4.29
	191 191 127	1.96	0.33	2.82	2.93
	191 191 191	0.73	0.19	2.71	2.82

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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	2.51	1.03	2.35	2.64
	191 255 0	17.99	2.70	0.39	3.44
	191 255 63	13.44	1.21	0.38	2.71
	191 255 127	2.88	2.77	0.26	1.57
	191 255 191	1.26	3.90	0.29	2.49
	191 255 255	3.77	0.01	0.43	2.00
	255 0 0	20.72	8.66	4.28	6.55
	255 0 63	13.87	5.57	4.30	5.60
	255 0 127	9.99	0.92	4.34	4.83
	255 0 191	9.01	3.44	4.00	4.58
	255 0 255	6.04	6.43	3.25	4.13
	255 63 0	21.31	6.21	3.64	5.93
	255 63 63	14.75	3.59	3.69	5.07
	255 63 127	10.31	0.53	3.72	4.41
	255 63 191	9.79	2.77	3.50	4.23
	255 63 255	6.52	6.19	2.90	3.93
	255 127 0	19.39	5.86	4.18	6.32
	255 127 63	13.09	4.92	4.31	5.83
	255 127 127	5.18	0.35	4.38	4.64
	255 127 191	3.86	2.27	4.24	4.54
	255 127 255	0.62	4.72	3.77	4.36
	255 191 0	19.97	1.30	2.88	5.12
	255 191 63	14.58	1.33	2.95	4.62
	255 191 127	3.54	0.31	3.05	3.28
	255 191 191	2.02	0.30	3.01	3.16
	255 191 255	1.17	2.69	2.67	3.18
	255 255 0	19.10	3.11	0.04	3.78
	255 255 63	14.19	2.27	0.09	3.06
	255 255 127	1.93	0.91	0.22	0.72
	255 255 191	1.35	0.15	0.17	0.58
	255 255 255 (1)	-	-	-	-
	Average (2)	10.40	3.62	2.25	4.40
	Maximum (2)	29.91	13.70	4.93	8.08

(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	100%

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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

Property	Device adjustments
Backlight brightness	
Brightness	
Contrast	
RGB Gain	
Gradation	
Other	sRGB-Modus (kein eigener DV-Modus, sondern eine Einstellung im Menü "Farbe" -> sRGB (6500K)