

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)	6280 Kelvin
White Point XYZ (normalized)	97.35 100.00 109.55
DeltaE to D50/ D65	19.87/ 4.03
Assumed Target Whitepoint (2)	6300 Kelvin
DeltaE to Assumed Target Whitepoint	4.62
Brightness	187.02 cd/m²
Black Point	0.20 cd/m²
Contrast (x:1)	935:1
Gradation (Average)	2.34

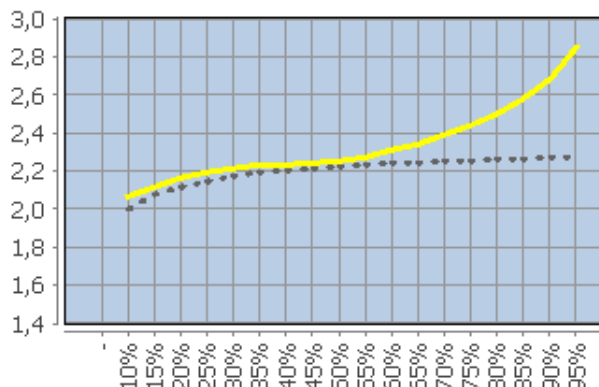
(2) Daylight

	Percent	Kelvin	Delta C	Delta E	Gamma
	5	-	-	-	-
	10	7472	1.82	2.22	2.07
	15	7181	1.74	1.89	2.11
	20	6930	1.56	1.77	2.16
	25	6756	1.49	1.73	2.19
	30	6742	1.81	1.97	2.21
	35	6636	1.34	1.54	2.23
	40	6624	1.55	1.65	2.23
	45	6588	1.84	1.88	2.24
	50	6574	1.99	2.02	2.25
	55	6557	2.09	2.15	2.27
	60	6589	2.24	2.41	2.31
	65	6602	2.39	2.65	2.34
	70	6579	2.39	2.80	2.39
	75	6581	2.42	2.92	2.44
	80	6579	2.51	3.05	2.50
	85	6573	2.53	3.06	2.58
	90	6555	2.28	2.73	2.68
	95	6492	1.83	2.14	2.85
	100 (3)	6281	-	-	-
	Average (4)	-	2.0	2.26	2.34
	Maximum (4)	-	2.53	3.06	-
	Range (4)	-	2.53	-	-

(3) Visual adaptation to display whitepoint is assumed

(4) Only luminance > 1% considered

Corresponding Gamma



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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	1.03	0.00	0.95	1.40
	0 0 63	0.93	0.85	0.47	0.76
	0 0 127	2.04	0.89	0.28	0.66
	0 0 191	3.03	0.77	1.17	1.31
	0 0 255	7.36	0.24	1.05	1.49
	0 63 0	6.44	6.56	1.53	4.79
	0 63 63	6.54	0.27	1.51	3.88
	0 63 127	3.90	2.22	1.47	2.42
	0 63 191	3.74	1.84	1.83	2.17
	0 63 255	7.77	0.58	1.63	2.08
	0 127 0	17.50	7.50	1.68	5.76
	0 127 63	15.47	6.77	1.60	6.17
	0 127 127	12.56	0.67	1.60	5.61
	0 127 191	5.06	8.12	1.77	5.58
	0 127 255	5.24	5.29	1.63	3.22
	0 191 0	23.66	9.45	3.19	6.69
	0 191 63	20.88	10.50	3.13	7.12
	0 191 127	17.95	8.32	3.13	7.28
	0 191 191	16.35	0.57	3.10	6.59
	0 191 255	11.06	5.56	3.01	5.73
	0 255 0	32.81	11.83	2.30	7.04
	0 255 63	30.25	12.70	2.32	7.33
	0 255 127	26.73	12.31	2.34	7.80
	0 255 191	25.73	6.25	2.43	7.55
	0 255 255	21.42	0.76	2.46	7.04
	63 0 0	0.92	0.01	1.21	1.27
	63 0 63	0.10	1.50	0.84	1.25
	63 0 127	1.78	0.08	0.15	0.44
	63 0 191	2.70	0.06	0.67	0.82
	63 0 255	6.86	0.03	0.73	1.23
	63 63 0	1.28	1.30	0.93	1.35
	63 63 63	1.34	0.18	0.85	1.60
	63 63 127	2.92	1.14	0.91	1.54
	63 63 191	3.22	0.92	1.23	1.48
	63 63 255	6.82	0.67	1.16	1.64
	63 127 0	13.67	5.70	1.30	4.71
	63 127 63	10.98	5.54	1.18	5.06
	63 127 127	9.52	0.63	1.10	5.00
	63 127 191	3.05	7.25	1.31	4.86
	63 127 255	4.56	4.58	1.26	2.74
	63 191 0	21.06	8.10	2.85	6.03
	63 191 63	17.73	9.38	2.79	6.42
	63 191 127	14.82	7.98	2.74	6.73
	63 191 191	14.29	0.47	2.83	6.20
	63 191 255	9.80	5.36	2.74	5.37
	63 255 0	30.75	11.05	2.27	6.74
	63 255 63	28.07	12.27	2.20	7.06

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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	23.97	12.06	2.30	7.51
	63 255 191	23.32	6.41	2.38	7.29
	63 255 255	19.97	0.72	2.31	6.84
	127 0 0	6.11	1.28	1.93	2.62
	127 0 63	4.14	3.79	1.92	3.15
	127 0 127	2.49	2.97	1.51	2.19
	127 0 191	2.03	2.50	0.71	1.30
	127 0 255	5.79	1.44	0.42	1.09
	127 63 0	8.06	1.01	0.54	2.58
	127 63 63	5.29	0.30	0.62	2.33
	127 63 127	4.05	1.71	0.47	1.76
	127 63 191	3.25	2.21	0.03	1.26
	127 63 255	6.26	1.28	0.07	1.17
	127 127 0	9.86	0.41	0.43	2.78
	127 127 63	4.53	1.17	0.32	1.92
	127 127 127	1.92	0.27	0.33	1.96
	127 127 191	0.10	2.25	0.52	1.54
	127 127 255	3.74	1.71	0.43	1.28
	127 191 0	14.87	2.98	2.21	4.06
	127 191 63	10.67	4.69	2.16	4.08
	127 191 127	6.74	5.42	2.13	4.58
	127 191 191	7.84	0.30	2.11	4.53
	127 191 255	6.25	3.52	2.08	3.83
	127 255 0	24.94	7.60	1.90	5.44
	127 255 63	21.57	8.96	1.84	5.62
	127 255 127	17.44	9.82	1.83	6.21
	127 255 191	17.27	5.87	1.92	6.31
	127 255 255	15.13	0.32	1.94	6.00
	191 0 0	11.26	4.74	1.97	3.72
	191 0 63	7.08	3.77	2.00	3.22
	191 0 127	4.53	3.31	1.72	2.57
	191 0 191	3.29	3.96	1.23	2.16
	191 0 255	5.80	2.21	0.94	1.53
	191 63 0	13.01	3.36	1.07	3.54
	191 63 63	7.58	1.52	1.18	2.53
	191 63 127	5.44	1.85	1.04	2.10
	191 63 191	4.01	3.34	0.75	1.93
	191 63 255	5.96	1.87	0.58	1.39
	191 127 0	12.79	1.26	0.14	3.27
	191 127 63	6.64	0.55	0.26	2.15
	191 127 127	2.18	0.25	0.34	1.06
	191 127 191	1.08	1.16	0.09	0.81
	191 127 255	3.83	0.08	0.11	0.90
	191 191 0	13.65	0.26	1.59	3.42
	191 191 63	7.92	1.03	1.51	2.60
	191 191 127	1.62	2.18	1.51	2.19
	191 191 191	2.42	0.36	1.64	2.94

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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	4.13	2.13	1.57	2.67
	191 255 0	20.74	5.07	1.47	4.50
	191 255 63	16.62	6.32	1.48	4.47
	191 255 127	11.23	7.74	1.48	4.96
	191 255 191	11.11	5.87	1.59	5.62
	191 255 255	10.45	0.16	1.52	5.61
	255 0 0	22.16	9.01	5.10	7.31
	255 0 63	15.48	6.69	5.23	6.68
	255 0 127	10.83	7.54	4.98	6.40
	255 0 191	6.60	9.52	4.28	5.94
	255 0 255	6.10	7.34	3.85	4.80
	255 63 0	22.64	6.44	4.39	6.61
	255 63 63	16.18	4.45	4.56	6.01
	255 63 127	11.33	5.69	4.19	5.60
	255 63 191	7.59	8.97	3.93	5.80
	255 63 255	6.39	7.38	3.56	4.70
	255 127 0	21.46	1.63	2.96	5.37
	255 127 63	15.59	0.51	3.22	4.91
	255 127 127	10.96	1.90	3.14	4.61
	255 127 191	7.17	6.68	2.88	5.04
	255 127 255	5.70	6.53	3.12	4.52
	255 191 0	19.36	4.67	0.67	4.61
	255 191 63	13.79	5.39	0.86	4.31
	255 191 127	8.05	4.99	0.85	4.13
	255 191 191	8.19	0.60	0.88	4.00
	255 191 255	6.21	3.42	0.67	3.15
	255 255 0	19.14	2.75	0.06	3.74
	255 255 63	14.34	1.80	0.11	3.03
	255 255 127	6.86	1.66	0.30	2.01
	255 255 191	4.29	0.46	0.09	1.78
	255 255 255 (1)	-	-	-	-
	Average (2)	10.40	3.86	1.70	3.93
	Maximum (2)	32.81	12.70	5.23	7.80

(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)