

Colorimetric Report

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CCalc 2.5
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Date	Wednesday, April 3, 2024
Tester	Manuel Findeis
Display	Asus PA32UCXR
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)	6768 Kelvin
White Point XYZ (normalized)	95.24 100.00 113.22
DeltaE to D50/ D65	22.33/ 2.64
Assumed Target Whitepoint (2)	6800 Kelvin
DeltaE to Assumed Target Whitepoint	0.50
Brightness	136.91 cd/m ²
Black Point	0.13 cd/m ²
Contrast (x:1)	1053:1
Gradation (Average)	2.26

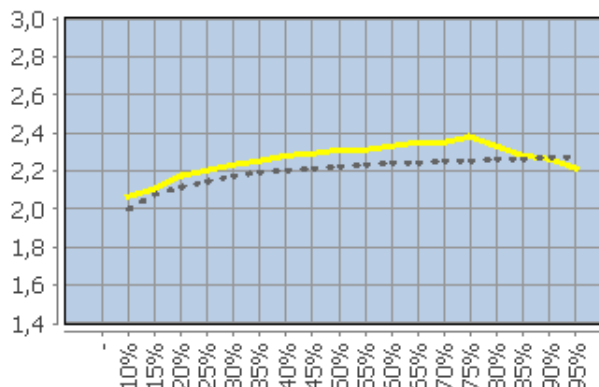
(2) Daylight

	Percent	Kelvin	Delta C	Delta E	Gamma
	5	-	-	-	-
	10	6880	0.44	1.31	2.07
	15	7071	0.92	1.12	2.10
	20	7282	1.28	1.60	2.17
	25	7191	1.13	1.55	2.20
	30	7158	1.14	1.61	2.23
	35	6934	0.58	1.30	2.25
	40	7051	1.27	1.84	2.28
	45	6886	0.86	1.50	2.29
	50	6987	1.16	1.77	2.31
	55	7002	1.23	1.69	2.31
	60	6936	0.87	1.44	2.33
	65	6999	1.30	1.79	2.35
	70	6914	0.87	1.34	2.35
	75	6887	0.78	1.35	2.38
	80	6854	0.53	0.73	2.33
	85	6820	0.49	0.50	2.28
	90	6822	0.39	0.39	2.26
	95	6799	0.37	0.39	2.21
	100 (3)	6768	-	-	-
	Average (4)	-	0.89	1.29	2.26
	Maximum (4)	-	1.3	1.84	-
	Range (4)	-	1.33	-	-

(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	0.37	0.00	0.83	0.91
	0 0 63	2.85	0.88	1.10	1.56
	0 0 127	5.26	2.74	1.55	2.30
	0 0 191	5.71	3.41	1.91	2.51
	0 0 255	4.68	3.74	2.63	2.98
	0 63 0	10.91	9.60	2.15	7.22
	0 63 63	8.96	0.02	1.76	5.20
	0 63 127	0.80	4.60	1.11	3.05
	0 63 191	0.64	3.38	0.26	1.57
	0 63 255	1.12	1.84	0.40	0.82
	0 127 0	22.58	13.14	3.06	8.85
	0 127 63	19.33	11.39	2.77	9.02
	0 127 127	15.55	0.83	2.34	7.06
	0 127 191	5.64	8.19	2.03	5.77
	0 127 255	2.94	6.05	0.95	3.10
	0 191 0	34.44	19.25	3.20	10.67
	0 191 63	30.56	18.92	3.06	11.00
	0 191 127	28.03	11.18	3.18	10.16
	0 191 191	24.14	2.50	2.78	9.15
	0 191 255	12.68	11.58	2.12	8.27
	0 255 0	45.81	24.96	2.98	11.83
	0 255 63	42.53	25.37	2.88	12.24
	0 255 127	40.67	19.92	2.76	12.00
	0 255 191	38.11	9.88	2.49	11.01
	0 255 255	31.34	3.36	2.45	10.12
	63 0 0	3.64	2.81	0.23	2.40
	63 0 63	2.02	1.62	0.08	1.21
	63 0 127	1.25	0.36	0.65	0.73
	63 0 191	3.20	1.32	1.35	1.55
	63 0 255	3.11	2.23	2.30	2.46
	63 63 0	1.19	0.15	1.44	1.52
	63 63 63	1.16	0.15	1.13	1.62
	63 63 127	1.10	0.34	0.84	0.95
	63 63 191	0.07	1.15	0.03	0.53
	63 63 255	1.46	0.51	0.65	0.72
	63 127 0	11.37	5.50	2.54	4.76
	63 127 63	7.80	7.02	2.27	5.43
	63 127 127	7.80	0.19	1.90	4.41
	63 127 191	3.11	4.34	1.64	3.37
	63 127 255	2.76	3.34	0.65	1.84
	63 191 0	23.16	11.53	2.61	7.10
	63 191 63	19.32	12.93	2.46	7.68
	63 191 127	18.49	8.29	2.23	7.38
	63 191 191	15.91	1.62	2.22	6.61
	63 191 255	8.15	8.16	1.45	5.82
	63 255 0	34.58	17.18	2.33	8.65
	63 255 63	30.66	18.71	2.23	9.14

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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	29.23	15.13	2.11	9.11
	63 255 191	28.05	7.84	1.86	8.52
	63 255 255	23.28	2.62	1.82	7.86
	127 0 0	8.86	3.68	0.34	3.07
	127 0 63	8.60	0.20	0.16	2.63
	127 0 127	5.17	3.68	0.16	2.21
	127 0 191	2.05	2.82	0.65	1.37
	127 0 255	1.01	1.25	1.56	1.63
	127 63 0	7.74	2.29	0.58	2.76
	127 63 63	5.77	2.31	0.57	2.96
	127 63 127	4.24	2.23	0.20	1.95
	127 63 191	2.70	2.51	0.02	1.32
	127 63 255	2.66	1.53	0.76	1.05
	127 127 0	7.08	1.49	1.88	2.84
	127 127 63	0.46	0.56	1.67	1.72
	127 127 127	1.43	0.18	1.40	2.01
	127 127 191	2.09	0.18	1.13	1.38
	127 127 255	3.74	0.34	0.49	1.02
	127 191 0	13.41	3.80	2.21	3.97
	127 191 63	7.76	6.31	2.08	4.18
	127 191 127	7.13	5.41	1.87	4.53
	127 191 191	7.71	0.38	1.51	4.22
	127 191 255	4.11	4.27	1.16	3.33
	127 255 0	25.05	10.63	1.62	6.05
	127 255 63	20.58	12.69	1.53	6.49
	127 255 127	18.92	11.59	1.39	6.91
	127 255 191	17.82	6.67	1.51	6.57
	127 255 255	16.13	2.14	1.15	6.30
	191 0 0	15.90	1.57	0.01	3.39
	191 0 63	12.75	1.86	0.11	3.22
	191 0 127	11.09	3.08	0.26	3.00
	191 0 191	7.65	5.06	0.67	2.66
	191 0 255	6.03	4.69	1.16	2.26
	191 63 0	14.77	1.05	0.11	3.42
	191 63 63	10.60	3.20	0.12	3.37
	191 63 127	9.21	2.15	0.11	2.83
	191 63 191	6.73	4.27	0.40	2.50
	191 63 255	5.63	3.79	1.03	2.04
	191 127 0	12.06	4.69	1.10	3.98
	191 127 63	5.40	5.99	0.91	3.99
	191 127 127	6.58	2.33	0.66	3.48
	191 127 191	5.98	2.64	0.50	2.67
	191 127 255	5.56	3.14	0.02	1.98
	191 191 0	11.39	1.37	1.39	2.95
	191 191 63	4.24	0.29	1.26	1.68
	191 191 127	0.41	0.23	1.38	1.40
	191 191 191	0.74	0.17	1.08	1.32

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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
	191 191 255	2.75	0.00	0.79	1.34
	191 255 0	17.69	4.25	0.94	3.73
	191 255 63	12.22	6.22	0.86	3.66
	191 255 127	8.59	6.13	1.10	3.87
	191 255 191	8.26	4.66	0.90	4.23
	191 255 255	7.94	0.88	0.57	4.20
	255 0 0	24.65	1.23	1.02	4.46
	255 0 63	18.26	2.93	1.13	3.95
	255 0 127	16.83	1.90	1.21	3.80
	255 0 191	13.63	6.51	1.37	3.97
	255 0 255	11.23	7.17	1.71	3.62
	255 63 0	22.73	0.00	1.10	4.35
	255 63 63	16.41	3.45	1.19	3.94
	255 63 127	15.45	1.24	1.19	3.77
	255 63 191	12.46	6.00	1.37	3.96
	255 63 255	9.79	6.81	1.81	3.62
	255 127 0	20.24	4.41	0.21	4.60
	255 127 63	13.66	6.74	0.33	4.61
	255 127 127	13.39	2.60	0.48	4.20
	255 127 191	11.68	3.55	0.62	3.86
	255 127 255	9.37	5.74	0.92	3.49
	255 191 0	15.82	7.11	0.43	4.60
	255 191 63	8.70	7.90	0.33	4.38
	255 191 127	6.42	7.02	0.18	4.75
	255 191 191	8.26	1.68	0.04	4.10
	255 191 255	6.97	3.88	0.19	3.47
	255 255 0	15.20	3.02	0.59	3.15
	255 255 63	8.41	1.91	0.51	1.97
	255 255 127	4.17	1.03	0.39	1.28
	255 255 191	1.83	0.46	0.25	0.85
	255 255 255 (1)	-	-	-	-
	Average (2)	11.58	4.91	1.25	4.25
	Maximum (2)	45.81	25.37	3.20	12.24

(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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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-Emulation mit eingebauter Sonde