

Colorimetric Report

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CCalc 2.5
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Date	Tuesday, November 2, 2021
Tester	Oliver Jachmann
Display	ViewSonic XG320Q
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)	6534 Kelvin
White Point XYZ (normalized)	91.71 100.00 103.43
DeltaE to D50/ D65	17.69/ 6.83
Assumed Target Whitepoint (2)	6500 Kelvin
DeltaE to Assumed Target Whitepoint	3.75
Brightness	140.81 cd/m ²
Black Point	0.15 cd/m ²
Contrast (x:1)	939:1
Gradation (Average)	2.15

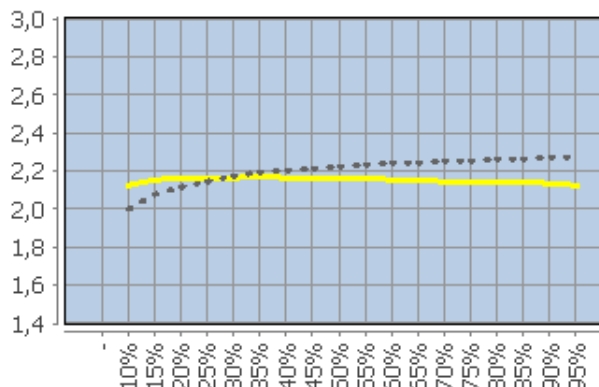
(2) Daylight

	Percent	Kelvin	Delta C	Delta E	Gamma
	5	-	-	-	-
	10	6828	0.58	2.23	2.12
	15	6695	0.38	1.61	2.15
	20	6596	0.17	0.80	2.16
	25	6554	0.07	0.32	2.16
	30	6525	0.05	0.17	2.16
	35	6575	0.26	0.51	2.17
	40	6557	0.21	0.75	2.16
	45	6527	0.16	0.88	2.16
	50	6523	0.19	1.07	2.16
	55	6513	0.14	1.12	2.16
	60	6540	0.05	1.20	2.15
	65	6518	0.14	1.17	2.15
	70	6529	0.03	1.15	2.14
	75	6541	0.08	1.04	2.14
	80	6543	0.08	0.90	2.14
	85	6540	0.29	0.77	2.14
	90	6536	0.33	0.61	2.13
	95	6550	0.25	0.39	2.12
	100 (3)	6534	-	-	-
	Average (4)	-	0.17	0.85	2.15
	Maximum (4)	-	0.38	1.61	-
	Range (4)	-	0.55	-	-

(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	0.96	0.00	0.95	1.35
	0 0 63	1.73	0.50	1.82	1.94
	0 0 127	2.27	3.96	3.95	4.37
	0 0 191	3.69	5.03	4.88	5.29
	0 0 255	3.97	5.64	2.21	2.95
	0 63 0	18.35	12.97	0.39	10.02
	0 63 63	15.73	2.41	0.22	8.81
	0 63 127	5.53	5.93	0.88	4.20
	0 63 191	6.39	5.02	2.28	3.52
	0 63 255	2.03	6.97	1.11	2.84
	0 127 0	37.22	19.64	0.66	12.98
	0 127 63	37.37	11.74	0.62	12.93
	0 127 127	27.63	3.71	1.00	12.10
	0 127 191	11.41	15.20	1.63	10.27
	0 127 255	1.47	18.96	1.23	9.08
	0 191 0	51.24	26.12	0.63	14.38
	0 191 63	52.72	21.04	0.53	14.49
	0 191 127	46.28	12.00	0.64	14.12
	0 191 191	37.16	4.90	0.93	13.59
	0 191 255	21.12	26.06	0.81	16.90
	0 255 0	57.84	31.87	2.92	14.85
	0 255 63	59.46	28.37	2.90	14.86
	0 255 127	54.33	23.65	2.71	14.97
	0 255 191	48.52	13.13	2.35	13.98
	0 255 255	43.28	5.91	2.13	13.89
	63 0 0	10.77	1.12	3.15	5.41
	63 0 63	5.72	4.37	2.93	4.42
	63 0 127	5.64	0.41	3.84	4.06
	63 0 191	5.51	2.22	4.67	4.85
	63 0 255	2.33	2.81	2.42	2.62
	63 63 0	1.03	1.26	0.41	1.01
	63 63 63	0.52	0.10	0.42	0.67
	63 63 127	6.78	1.02	0.52	2.52
	63 63 191	8.25	2.20	1.77	2.73
	63 63 255	0.18	4.02	0.86	1.73
	63 127 0	24.22	15.64	0.05	10.05
	63 127 63	26.03	10.94	0.01	10.83
	63 127 127	20.84	2.19	0.27	10.76
	63 127 191	8.73	12.95	0.91	8.76
	63 127 255	1.08	15.28	0.66	7.31
	63 191 0	44.05	24.86	0.00	13.49
	63 191 63	46.09	20.36	0.10	13.74
	63 191 127	40.97	12.71	0.01	13.78
	63 191 191	34.03	4.15	0.23	13.40
	63 191 255	18.53	24.40	0.21	16.01
	63 255 0	53.88	31.14	2.99	14.52
	63 255 63	56.21	27.81	2.98	14.63

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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	51.71	23.59	2.82	14.95
	63 255 191	47.20	13.36	2.50	14.25
	63 255 255	42.31	5.55	2.27	14.17
	127 0 0	22.48	3.53	5.61	8.43
	127 0 63	18.87	6.08	5.36	8.59
	127 0 127	13.12	7.69	5.56	7.45
	127 0 191	9.99	5.61	5.85	6.55
	127 0 255	1.32	5.91	4.07	4.57
	127 63 0	18.99	11.74	2.29	9.13
	127 63 63	19.36	1.88	2.07	8.53
	127 63 127	14.91	6.17	2.43	6.65
	127 63 191	12.43	5.65	3.01	4.88
	127 63 255	4.18	4.96	2.15	2.95
	127 127 0	9.26	3.33	0.93	3.26
	127 127 63	8.19	2.08	0.84	3.52
	127 127 127	0.56	0.11	1.00	1.15
	127 127 191	4.55	1.18	1.42	2.35
	127 127 255	0.16	2.97	1.19	1.86
	127 191 0	22.42	12.19	0.25	7.20
	127 191 63	24.28	10.56	0.07	7.85
	127 191 127	19.81	9.52	0.08	8.98
	127 191 191	18.55	2.11	0.31	9.61
	127 191 255	6.71	16.26	0.31	10.66
	127 255 0	35.67	21.59	2.45	10.44
	127 255 63	38.38	19.48	2.48	10.75
	127 255 127	34.73	18.57	2.36	11.72
	127 255 191	32.95	12.18	2.09	11.96
	127 255 255	31.26	4.04	1.86	12.15
	191 0 0	33.08	2.75	7.29	10.12
	191 0 63	29.19	3.49	7.06	10.13
	191 0 127	22.86	8.55	7.05	9.75
	191 0 191	17.51	10.70	7.15	9.08
	191 0 255	8.07	14.33	5.86	7.91
	191 63 0	32.45	8.80	4.62	9.68
	191 63 63	30.52	2.04	4.40	9.53
	191 63 127	25.14	5.71	4.43	8.86
	191 63 191	19.83	10.14	4.65	7.92
	191 63 255	10.98	13.20	3.93	6.72
	191 127 0	20.63	13.44	2.53	8.86
	191 127 63	20.52	9.67	2.36	8.93
	191 127 127	17.18	2.45	2.40	8.33
	191 127 191	13.43	6.38	2.63	6.60
	191 127 255	6.78	8.45	2.37	4.94
	191 191 0	13.73	4.04	1.08	3.73
	191 191 63	14.67	3.46	0.94	4.30
	191 191 127	5.23	1.48	0.85	2.45
	191 191 191	0.40	0.13	0.98	1.06

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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
	191 191 255	0.24	1.40	0.98	1.35
	191 255 0	19.78	7.46	1.43	4.86
	191 255 63	22.14	6.71	1.48	5.40
	191 255 127	16.24	8.74	1.42	6.08
	191 255 191	13.77	8.38	1.23	7.28
	191 255 255	15.05	1.94	1.01	7.98
	255 0 0	34.86	1.67	4.72	7.75
	255 0 63	30.30	0.64	4.68	7.57
	255 0 127	26.28	1.60	4.94	7.40
	255 0 191	23.23	6.23	5.26	7.32
	255 0 255	15.35	13.68	4.69	7.29
	255 63 0	35.35	5.93	3.44	7.77
	255 63 63	32.56	3.06	3.37	7.72
	255 63 127	28.45	0.17	3.54	7.40
	255 63 191	25.19	6.25	3.87	7.08
	255 63 255	18.09	13.22	3.54	6.98
	255 127 0	28.60	10.93	2.35	7.94
	255 127 63	28.36	7.39	2.29	7.96
	255 127 127	23.93	4.21	2.37	7.75
	255 127 191	21.63	3.88	2.64	6.97
	255 127 255	15.51	10.78	2.57	6.57
	255 191 0	19.17	10.57	1.32	6.32
	255 191 63	20.44	8.93	1.23	6.66
	255 191 127	12.89	8.40	1.22	6.77
	255 191 191	12.46	2.43	1.37	6.31
	255 191 255	9.01	6.20	1.46	5.24
	255 255 0	15.67	4.49	0.51	3.48
	255 255 63	17.93	4.34	0.51	4.14
	255 255 127	9.56	2.70	0.43	2.90
	255 255 191	2.94	1.07	0.23	1.42
	255 255 255 (1)	-	-	-	-
	Average (2)	20.73	0.00	2.23	7.93
	Maximum (2)	59.46	31.87	7.29	16.90

(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%