

Colorimetric Report

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Date	Saturday, October 15, 2022
Tester	Oliver Jachmann
Display	Acer-Predator X32FP
Sensor	X-Rite i1 Display Pro (Corr.: RGB-LED, XR)
Testchart	In accordance with ISO 12646:2007 (1)
Target	DCI-P3 RGB
Display Profile	Not considered
Rendering Intent	-

(1) Five equally spaced code values for each channel

White Point (CCT)	6268 Kelvin
White Point XYZ (normalized)	95.12 100.00 105.26
DeltaE to D50/ D65	17.05/ 2.25
Assumed Target Whitepoint (2)	6300 Kelvin
DeltaE to Assumed Target Whitepoint	0.27
Brightness	151.68 cd/m²
Black Point	0.13 cd/m²
Contrast (x:1)	1167:1
Gradation (Average)	2.62

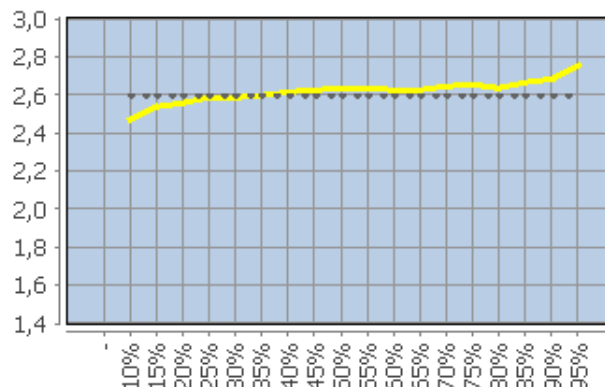
(2) Daylight

	Percent	Kelvin	Delta C	Delta E	Gamma
	5	-	-	-	-
	10	8033	1.11	1.39	2.47
	15	6702	0.71	1.05	2.54
	20	6160	0.89	1.07	2.56
	25	6171	0.89	0.92	2.59
	30	6221	0.38	0.46	2.59
	35	6206	0.43	0.43	2.60
	40	6322	0.21	0.26	2.61
	45	6281	0.25	0.38	2.62
	50	6278	0.13	0.37	2.63
	55	6287	0.19	0.43	2.63
	60	6228	0.69	0.74	2.62
	65	6305	0.23	0.34	2.62
	70	6242	0.26	0.50	2.64
	75	6232	0.38	0.56	2.65
	80	6251	0.36	0.42	2.63
	85	6310	0.56	0.63	2.66
	90	6239	0.67	0.73	2.68
	95	6248	0.26	0.39	2.75
	100 (3)	6269	-	-	-
	Average (4)	-	0.42	0.54	2.62
	Maximum (4)	-	0.89	1.07	-
	Range (4)	-	1.23	-	-

(3) Visual adaptation to display whitepoint is assumed

(4) Only luminance > 1% considered

Corresponding Gamma



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(1) Five equally spaced code values for each channel

	RGB	Delta C	Delta H	Delta L	Delta E94
	0 0 0	0.91	0.00	0.75	1.18
	0 0 63	1.32	0.07	0.58	0.80
	0 0 127	2.25	0.06	0.34	0.62
	0 0 191	1.28	0.40	0.78	0.82
	0 0 255	0.77	1.04	0.82	0.90
	0 63 0	4.40	6.54	0.32	4.34
	0 63 63	6.74	0.70	0.28	3.61
	0 63 127	1.87	3.29	0.63	2.10
	0 63 191	1.64	1.15	0.87	1.05
	0 63 255	0.21	0.12	0.88	0.88
	0 127 0	12.00	19.65	1.33	9.03
	0 127 63	15.76	11.99	1.18	7.27
	0 127 127	14.05	2.09	1.21	5.61
	0 127 191	1.80	8.75	1.28	5.28
	0 127 255	0.74	4.94	1.12	2.42
	0 191 0	19.25	27.87	1.71	10.38
	0 191 63	22.75	22.68	1.61	9.52
	0 191 127	24.88	10.71	1.62	7.52
	0 191 191	20.35	2.91	1.63	6.51
	0 191 255	8.26	11.41	1.52	6.87
	0 255 0	27.52	35.89	1.08	11.24
	0 255 63	29.75	31.97	1.10	10.68
	0 255 127	33.57	21.44	1.13	9.25
	0 255 191	33.04	9.13	1.20	7.63
	0 255 255	27.05	3.96	1.26	7.14
	63 0 0	3.91	1.15	1.43	2.38
	63 0 63	1.11	3.00	1.32	2.36
	63 0 127	1.13	2.41	0.26	1.21
	63 0 191	0.83	1.73	0.36	0.77
	63 0 255	0.96	1.83	0.58	0.84
	63 63 0	2.94	0.63	0.21	1.35
	63 63 63	0.76	0.13	0.24	0.81
	63 63 127	1.26	0.43	0.12	0.49
	63 63 191	1.23	0.44	0.46	0.56
	63 63 255	0.56	1.18	0.65	0.77
	63 127 0	3.70	15.25	1.03	7.10
	63 127 63	8.57	9.82	0.81	5.79
	63 127 127	9.75	1.51	0.84	4.45
	63 127 191	0.31	6.96	0.89	4.20
	63 127 255	1.12	3.93	0.82	1.91
	63 191 0	14.01	25.29	1.51	9.47
	63 191 63	17.72	20.75	1.38	8.71
	63 191 127	20.87	10.24	1.39	6.96
	63 191 191	17.94	2.59	1.41	6.03
	63 191 255	6.95	10.88	1.31	6.53
	63 255 0	23.85	34.21	1.04	10.75
	63 255 63	26.11	30.57	1.06	10.23

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Rendering Intent	-

(1) Five equally spaced code values for each channel

	RGB	Delta C	Delta H	Delta L	Delta E94
	63 255 127	30.16	20.80	1.10	8.91
	63 255 191	30.36	9.12	1.14	7.34
	63 255 255	25.36	3.71	1.23	6.88
	127 0 0	5.07	4.59	1.24	2.94
	127 0 63	6.87	0.43	1.25	2.37
	127 0 127	3.51	5.38	0.86	2.90
	127 0 191	1.44	4.91	0.34	2.01
	127 0 255	2.05	4.15	0.00	1.42
	127 63 0	2.18	6.56	0.72	3.63
	127 63 63	5.84	2.29	0.81	2.65
	127 63 127	3.52	4.31	0.56	2.69
	127 63 191	1.21	4.29	0.22	1.89
	127 63 255	1.51	3.69	0.01	1.32
	127 127 0	7.77	1.22	0.42	2.02
	127 127 63	3.04	0.48	0.28	1.09
	127 127 127	0.20	0.08	0.27	0.35
	127 127 191	0.88	0.01	0.34	0.45
	127 127 255	0.43	0.26	0.34	0.37
	127 191 0	0.24	16.63	1.15	6.54
	127 191 63	3.31	13.74	1.05	5.95
	127 191 127	8.60	8.19	0.99	5.15
	127 191 191	9.83	1.35	1.03	4.40
	127 191 255	2.34	7.04	0.94	4.32
	127 255 0	11.58	28.28	0.87	9.09
	127 255 63	14.30	25.60	0.87	8.74
	127 255 127	19.19	18.05	0.89	7.73
	127 255 191	21.54	8.78	0.95	6.47
	127 255 255	18.98	2.77	1.03	5.93
	191 0 0	7.37	7.81	1.88	3.89
	191 0 63	10.44	2.81	1.91	3.17
	191 0 127	9.59	5.07	1.71	3.58
	191 0 191	5.96	7.67	1.32	3.54
	191 0 255	4.67	7.39	0.96	2.80
	191 63 0	5.92	9.34	1.61	4.31
	191 63 63	9.76	4.60	1.68	3.50
	191 63 127	9.80	3.81	1.51	3.38
	191 63 191	6.08	7.34	1.19	3.56
	191 63 255	4.42	7.23	0.91	2.82
	191 127 0	3.51	10.96	0.57	4.83
	191 127 63	2.48	8.48	0.67	4.40
	191 127 127	7.74	1.62	0.66	3.15
	191 127 191	4.76	4.98	0.53	3.16
	191 127 255	2.74	5.23	0.46	2.36
	191 191 0	9.66	1.11	0.42	1.87
	191 191 63	5.99	0.59	0.32	1.34
	191 191 127	1.85	0.08	0.31	0.71
	191 191 191	0.29	0.14	0.36	0.48

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Rendering Intent	-

(1) Five equally spaced code values for each channel

	RGB	Delta C	Delta H	Delta L	Delta E94
	191 191 255	0.11	0.39	0.32	0.40
	191 255 0	3.13	17.31	0.45	5.85
	191 255 63	0.53	15.65	0.46	5.58
	191 255 127	4.84	12.03	0.47	5.24
	191 255 191	8.78	7.37	0.54	4.82
	191 255 255	9.61	1.38	0.61	4.24
	255 0 0	9.63	11.48	2.98	5.04
	255 0 63	13.70	6.00	2.95	4.31
	255 0 127	14.99	2.63	2.78	4.06
	255 0 191	11.99	8.25	2.48	4.55
	255 0 255	9.05	9.91	2.08	4.22
	255 63 0	8.51	12.67	2.77	5.25
	255 63 63	12.92	7.22	2.74	4.42
	255 63 127	14.88	1.39	2.61	3.92
	255 63 191	12.12	7.58	2.34	4.43
	255 63 255	8.79	9.61	1.99	4.18
	255 127 0	2.35	15.81	1.90	6.00
	255 127 63	8.56	11.05	1.94	5.10
	255 127 127	13.23	3.30	1.87	3.93
	255 127 191	11.72	4.92	1.74	4.00
	255 127 255	7.98	8.16	1.55	3.99
	255 191 0	6.19	12.17	0.73	4.70
	255 191 63	2.01	11.03	0.79	4.61
	255 191 127	4.08	8.65	0.76	4.78
	255 191 191	8.54	1.72	0.70	3.58
	255 191 255	5.99	5.00	0.64	3.40
	255 255 0	11.05	1.96	0.26	1.79
	255 255 63	8.48	1.59	0.22	1.50
	255 255 127	3.88	0.78	0.20	0.93
	255 255 191	1.23	0.30	0.12	0.49
	255 255 255 (1)	-	-	-	-
	Average (2)	8.64	7.61	1.03	4.20
	Maximum (2)	33.57	35.89	2.98	11.24

(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
DCI-P3 RGB	94%

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Rendering Intent	-

(1) Five equally spaced code values for each channel

Property	Device adjustments
Backlight brightness	
Brightness	19
Contrast	50
RGB Gain	47 50 48
Gradation	2.6
Other	