

Colorimetric Report

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Date	Tuesday, February 18, 2025
Tester	Simon Blohm
Display	Alienware AW2725Q
Sensor	X-Rite i1 Display Pro (Corr.: Generic)
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

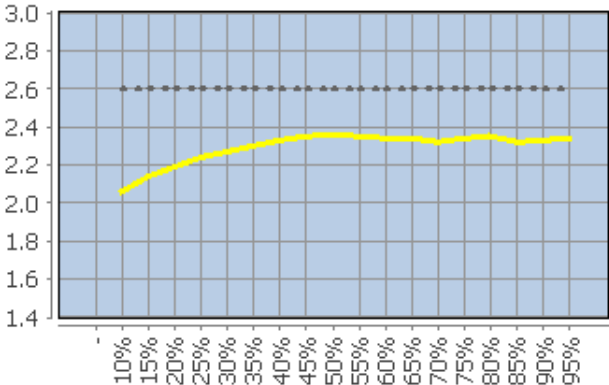
White Point (CCT)	6263 Kelvin
White Point XYZ (normalized)	87.47 100.00 91.08
DeltaE to D50/ D65	17.32/ 17.89
Assumed Target Whitepoint (2)	6300 Kelvin
DeltaE to Assumed Target Whitepoint	16.78
Brightness	48.42 cd/m²
Black Point	0.00 cd/m²
Contrast (x:1)	-
Gradation (Average)	2.29

(2) Daylight

	Percent	Kelvin	Delta C	Delta E	Gamma
	5	-	-	-	-
	10	6221	0.72	5.87	2.06
	15	6290	1.11	7.60	2.14
	20	6244	0.37	7.04	2.19
	25	6262	0.08	6.25	2.24
	30	6280	0.17	5.75	2.27
	35	6242	1.31	5.28	2.30
	40	6275	1.55	4.76	2.33
	45	6311	1.53	4.28	2.35
	50	6306	1.41	3.84	2.36
	55	6278	1.73	3.94	2.35
	60	6285	1.55	3.79	2.34
	65	6236	0.73	3.11	2.34
	70	6235	0.66	2.92	2.32
	75	6262	0.24	2.28	2.34
	80	6255	0.15	1.84	2.35
	85	6242	0.20	1.57	2.32
	90	6247	0.16	1.02	2.33
	95	6252	0.17	0.54	2.34
	100 (3)	6263	-	-	-
	Average (4)	-	0.77	3.87	2.29
	Maximum (4)	-	1.73	7.6	-
	Range (4)	-	2.83	-	-

(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 E00
	0 0 0	0.00	0.00	0.00	0.00
	0 0 63	6.88	2.00	2.03	2.80
	0 0 127	1.88	2.07	2.88	2.23
	0 0 191	3.08	1.86	2.72	2.20
	0 0 255	5.55	2.16	1.64	1.75
	0 63 0	1.37	6.71	4.36	4.65
	0 63 63	2.98	1.34	5.49	4.35
	0 63 127	4.69	1.81	5.20	3.89
	0 63 191	4.98	2.34	3.83	3.30
	0 63 255	5.93	2.10	2.09	2.15
	0 127 0	6.51	7.91	3.90	4.82
	0 127 63	10.82	3.46	4.10	4.96
	0 127 127	6.38	0.47	3.99	4.54
	0 127 191	3.00	1.15	3.68	3.96
	0 127 255	5.44	1.10	2.72	2.80
	0 191 0	13.17	7.77	3.03	4.01
	0 191 63	13.99	6.62	3.17	4.17
	0 191 127	11.93	4.84	3.05	4.23
	0 191 191	8.87	0.82	2.95	3.69
	0 191 255	5.17	1.68	2.57	2.77
	0 255 0	17.40	10.54	1.21	3.56
	0 255 63	17.93	9.09	1.27	3.50
	0 255 127	16.88	7.58	1.28	3.66
	0 255 191	16.08	2.94	1.24	3.67
	0 255 255	11.89	1.21	1.07	3.31
	63 0 0	1.29	3.27	2.72	2.89
	63 0 63	0.44	2.12	4.35	2.99
	63 0 127	2.33	0.74	3.43	2.39
	63 0 191	2.93	1.47	2.64	2.12
	63 0 255	5.05	1.77	1.65	1.67
	63 63 0	6.51	0.68	5.03	4.40
	63 63 63	0.35	0.09	5.81	4.11
	63 63 127	4.94	1.51	5.02	3.99
	63 63 191	4.99	2.15	3.78	3.29
	63 63 255	5.62	1.87	2.11	2.14
	63 127 0	3.78	6.63	3.74	4.47
	63 127 63	8.25	2.93	4.01	4.62
	63 127 127	5.24	0.40	3.93	4.50
	63 127 191	2.68	1.06	3.57	3.86
	63 127 255	5.33	1.01	2.62	2.70
	63 191 0	11.27	6.74	2.94	3.68
	63 191 63	11.80	5.95	3.07	3.83
	63 191 127	9.93	4.70	2.96	3.92
	63 191 191	8.14	0.59	2.91	3.58
	63 191 255	5.00	1.49	2.44	2.69
	63 255 0	16.20	10.10	1.23	3.43
	63 255 63	17.17	8.98	1.25	3.46

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(1) Five equally spaced code values for each channel

	RGB	Delta C	Delta H	Delta L	Delta E00
	63 255 127	16.06	7.64	1.34	3.64
	63 255 191	15.16	2.93	1.26	3.57
	63 255 255	11.22	1.00	1.09	3.19
	127 0 0	3.80	2.11	1.20	1.82
	127 0 63	4.58	5.65	1.90	3.52
	127 0 127	1.23	2.76	1.54	1.70
	127 0 191	0.73	2.30	1.36	1.49
	127 0 255	3.35	1.77	1.00	1.22
	127 63 0	2.60	7.48	2.99	5.46
	127 63 63	7.76	0.15	3.59	4.07
	127 63 127	6.36	2.49	3.32	3.56
	127 63 191	4.57	3.05	2.80	2.94
	127 63 255	5.32	2.36	1.70	2.02
	127 127 0	2.63	1.37	3.15	3.24
	127 127 63	3.28	1.78	3.44	3.75
	127 127 127	1.49	0.09	3.35	3.87
	127 127 191	2.28	1.28	3.10	3.19
	127 127 255	5.13	1.74	2.35	2.49
	127 191 0	5.96	3.46	2.80	2.76
	127 191 63	7.15	3.54	2.78	2.97
	127 191 127	4.14	3.08	2.78	2.87
	127 191 191	4.49	0.19	2.79	2.97
	127 191 255	3.71	0.82	2.36	2.40
	127 255 0	12.47	8.95	1.24	3.13
	127 255 63	13.41	8.10	1.26	3.16
	127 255 127	12.18	7.00	1.25	3.26
	127 255 191	11.97	3.16	1.25	3.29
	127 255 255	9.50	0.84	1.11	3.13
	191 0 0	7.35	0.51	0.59	1.50
	191 0 63	8.30	4.28	0.95	2.91
	191 0 127	4.83	3.30	0.98	1.89
	191 0 191	1.97	3.77	0.74	1.54
	191 0 255	1.88	1.89	0.10	0.71
	191 63 0	7.51	3.27	1.34	2.57
	191 63 63	9.16	1.38	1.77	2.81
	191 63 127	6.64	1.96	1.70	2.46
	191 63 191	4.38	3.52	1.65	2.28
	191 63 255	4.98	2.52	0.96	1.53
	191 127 0	2.89	5.20	2.08	3.62
	191 127 63	6.42	2.98	2.38	3.41
	191 127 127	4.74	1.71	2.35	3.09
	191 127 191	4.36	2.36	2.17	2.64
	191 127 255	5.58	2.10	1.72	2.07
	191 191 0	0.89	0.38	2.06	1.56
	191 191 63	4.12	0.84	2.18	1.91
	191 191 127	0.87	0.11	2.23	1.68
	191 191 191	0.11	0.02	2.18	1.59

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Rendering Intent	-

(1) Five equally spaced code values for each channel

	RGB	Delta C	Delta H	Delta L	Delta E00
	191 191 255	3.13	0.33	1.83	1.63
	191 255 0	7.20	5.44	1.05	2.22
	191 255 63	8.18	4.97	1.07	2.26
	191 255 127	7.04	5.28	1.06	2.59
	191 255 191	7.50	3.10	1.00	2.81
	191 255 255	5.94	0.65	0.86	2.88
	255 0 0	13.50	2.76	1.13	2.58
	255 0 63	11.12	3.23	0.88	2.51
	255 0 127	8.04	4.25	0.85	2.35
	255 0 191	5.02	6.02	0.78	2.18
	255 0 255	3.74	4.58	1.09	1.74
	255 63 0	13.75	0.74	0.61	2.20
	255 63 63	11.95	1.51	0.45	2.24
	255 63 127	9.15	2.97	0.35	2.21
	255 63 191	6.19	5.76	0.21	2.20
	255 63 255	5.27	4.73	0.59	1.75
	255 127 0	11.21	4.43	0.31	2.85
	255 127 63	10.86	3.41	0.54	2.78
	255 127 127	9.29	0.80	0.63	2.37
	255 127 191	7.43	3.67	0.62	2.38
	255 127 255	6.59	3.89	0.32	1.93
	255 191 0	2.43	6.64	0.84	3.45
	255 191 63	6.23	5.10	0.91	3.13
	255 191 127	4.82	4.53	1.01	3.38
	255 191 191	6.00	0.51	1.01	2.62
	255 191 255	5.60	2.37	0.76	2.20
	255 255 0	2.40	0.45	0.09	0.41
	255 255 63	5.56	0.17	0.15	0.92
	255 255 127	3.95	0.06	0.23	0.88
	255 255 191	3.29	0.30	0.27	1.22
	255 255 255 (1)	-	-	-	-
	Average (2)	6.64	3.05	2.04	2.87
	Maximum (2)	17.93	10.54	5.81	5.46

(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	82%

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Rendering Intent	-

(1) Five equally spaced code values for each channel

Property	Device adjustments
Backlight brightness	
Brightness	15
Contrast	75
RGB Gain	
Gradation	2.6
Other	Modus: Kreativ > DCI-P3