

Gray Scale: Custom Setting

Samsung Odyssey OLED G8 – DCI-P3

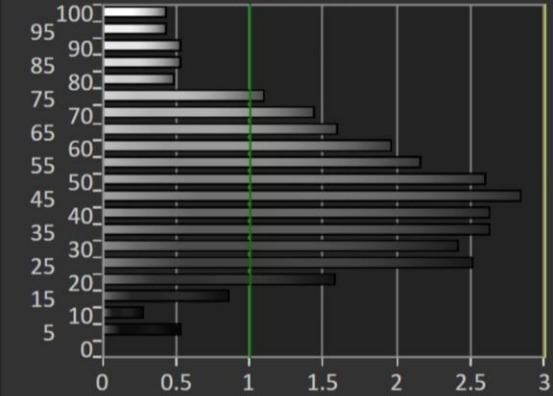
Portrait Display Calman Ultimate | Target: Avg. DeltaE < 2.0 | CCT 6500K | Gamma 2.2



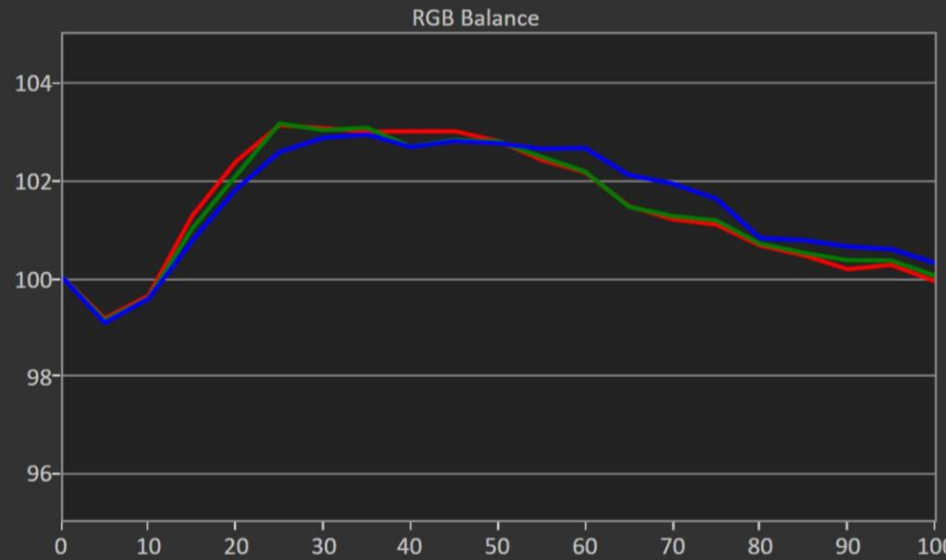
Grayscale - Multi

dE Formula: 2000

DeltaE 2000



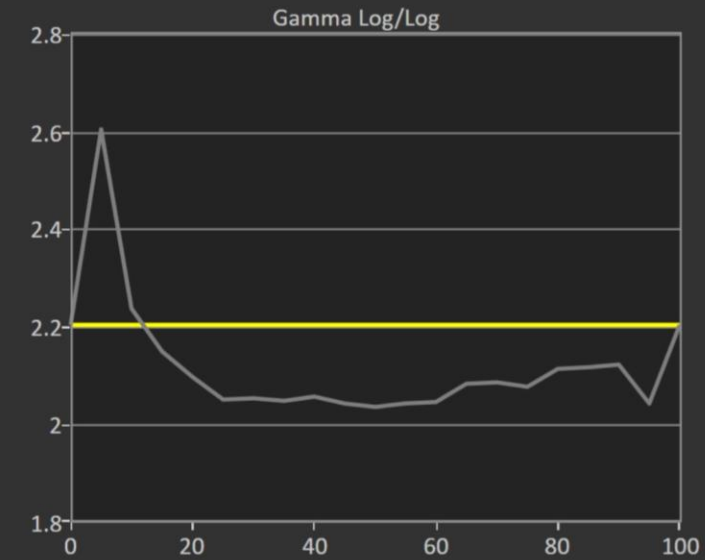
Avg dE2000: 1.5



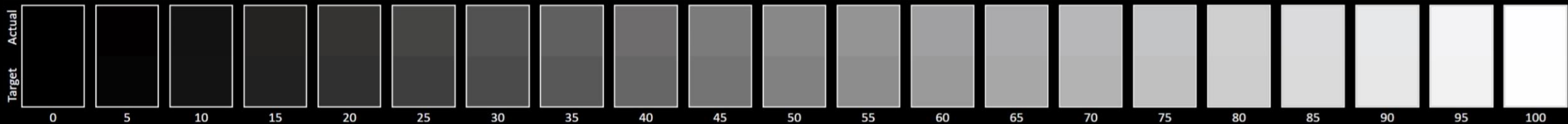
Avg CCT: 6446



Contrast Ratio: 189141

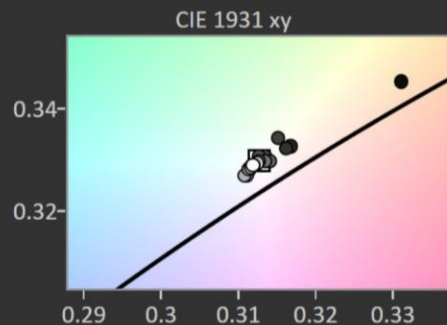


Average Gamma: 2.107



Current Reading

x: 0.312 y: 0.3282
u': 0.1976 v': 0.4678
cd/m²: 160.7113
ΔE 2000: 0.44



	0	5	10	15	20	25	30	35	40	45	50	55	60	65
x: CIE31	0.3609	0.3311	0.3136	0.3168	0.3163	0.3153	0.3136	0.3129	0.3141	0.3135	0.3128	0.3121	0.3114	0.3112
y: CIE31	0.3309	0.3447	0.3293	0.3319	0.3316	0.3336	0.3301	0.3299	0.3290	0.3291	0.3292	0.3283	0.3269	0.3264
Y	0.0008	0.0701	0.9806	2.7049	5.5314	9.4841	13.4415	18.6820	24.4944	31.6892	39.6133	47.3166	56.6249	65.8205
Target Y	0.0000	0.2303	1.0583	2.4388	4.6592	7.6781	11.2059	15.8605	21.4081	27.8736	35.2793	42.9675	52.2371	62.5023
Gamma Log/Log	2.2000	2.5999	2.2334	2.1456	2.0934	2.0472	2.0497	2.0445	2.0530	2.0389	2.0319	2.0392	2.0421	2.0795
CCT	4295.0000	5554.0000	6451.0000	6267.0000	6295.0000	6337.0000	6449.0000	6489.0000	6431.0000	6462.0000	6495.0000	6545.0000	6591.0000	6610.0000
ΔE 2000	0.0054	0.5282	0.2752	0.8522	1.5843	2.5200	2.4147	2.6308	2.6263	2.8447	2.5963	2.1652	1.9667	1.5924
ΔE ITP	4.2718	24.6818	2.8199	4.8674	8.8595	11.7385	10.6238	9.9870	8.5643	8.3645	7.7146	6.5572	5.6584	3.8129

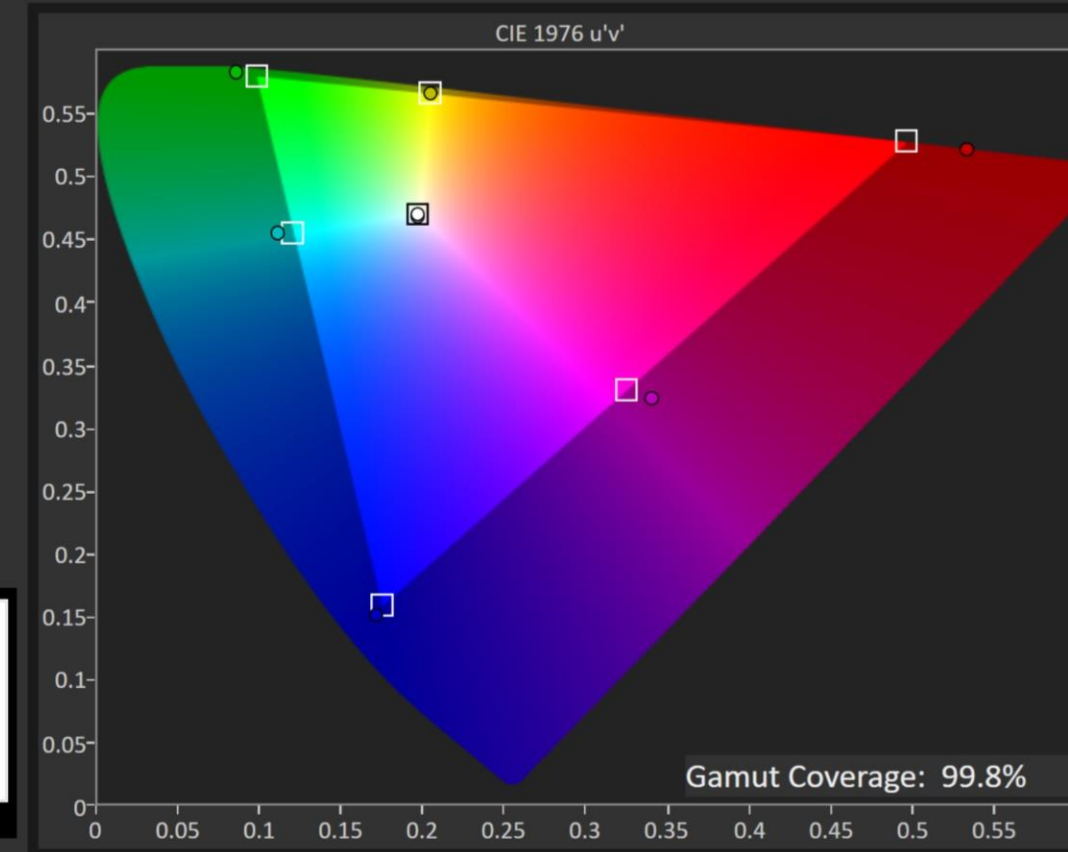
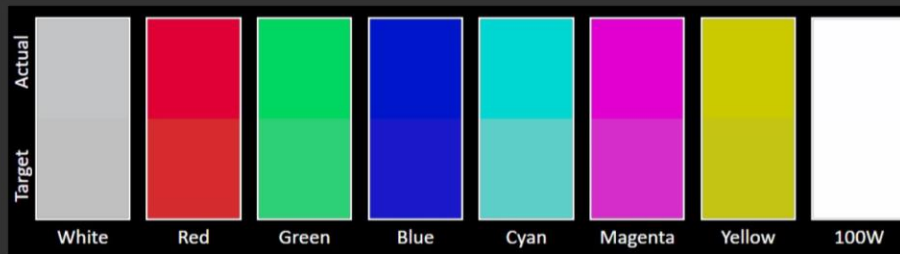
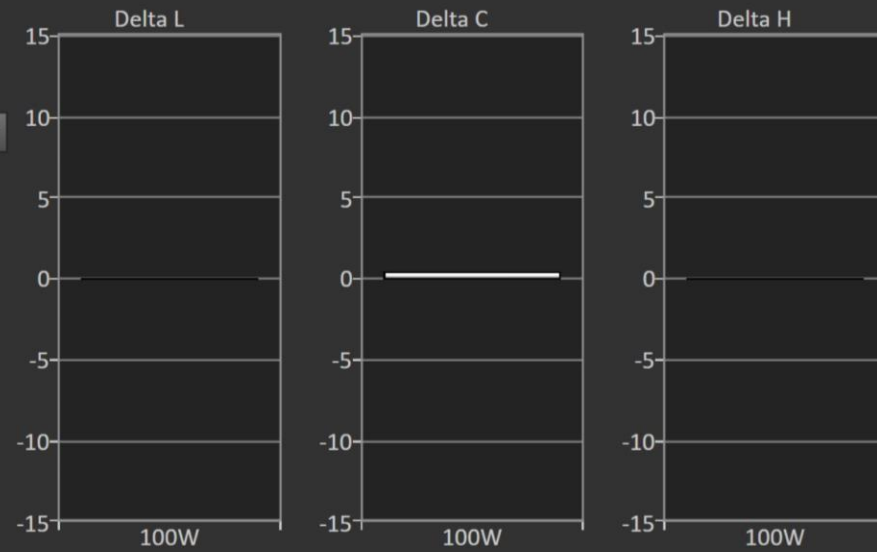
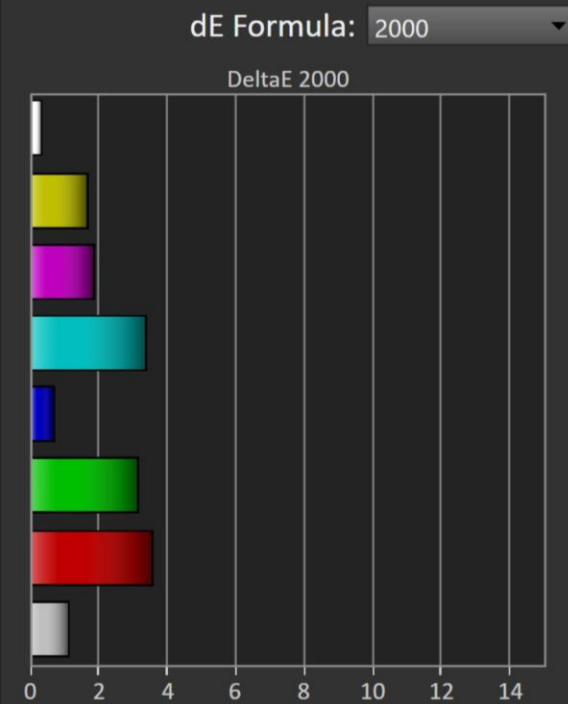
Color Space: Custom Setting

Samsung Odyssey OLED G8 – DCI-P3

Portrait Display Calman Ultimate | Target: 99 %

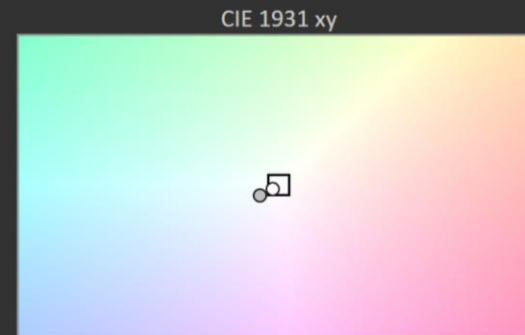
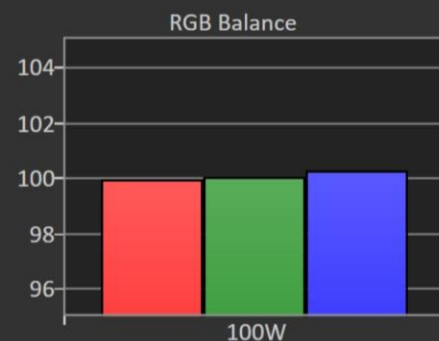


Color Gamut



Current Reading

x: 0.3122 y: 0.3284
fL: 46.96
cd/m²: 160.88



	White	Red	Green	Blue	Cyan	Magenta	Yellow	100W
x: CIE31	0.3111	0.6964	0.2402	0.1453	0.1851	0.3444	0.4396	0.3122
y: CIE31	0.3274	0.3009	0.7186	0.0563	0.3358	0.1446	0.5360	0.3284
Y	88.3483	19.9042	63.6832	6.4285	70.3466	26.9089	83.9297	160.88
Target Y	85.1899	19.5075	58.9285	6.7539	65.6823	26.2614	78.4360	160.88
ΔE 2000	1.0992	3.5926	3.1244	0.7029	3.3587	1.8386	1.6639	0.3510
ΔE JTD	2.7705	28.2288	11.7128	10.6900	11.1660	18.1802	5.2602	0.3201

ColorChecker: Custom Setting

Samsung Odyssey OLED G8 – DCI-P3

Portrait Display Calman Ultimate | Target: Avg. DeltaE < 2.5 | Max. DeltaE < 4.5

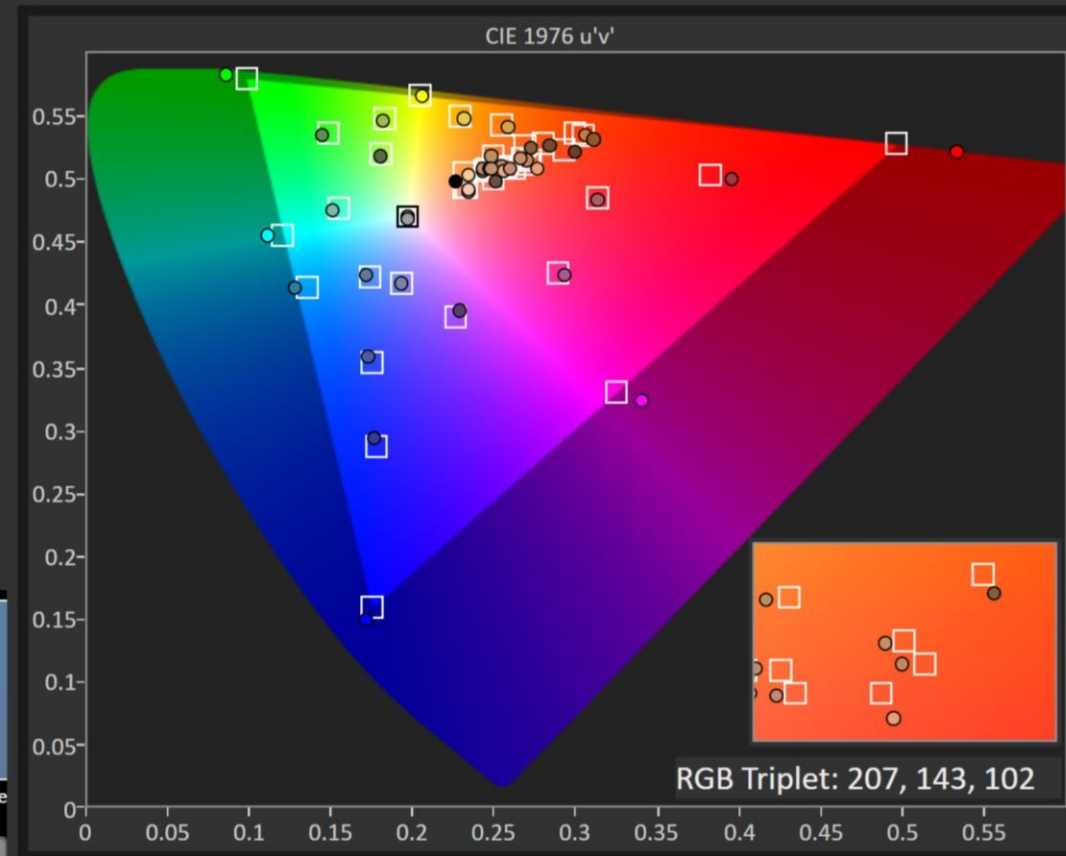
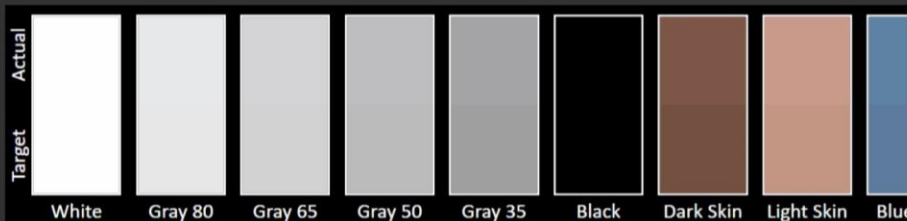
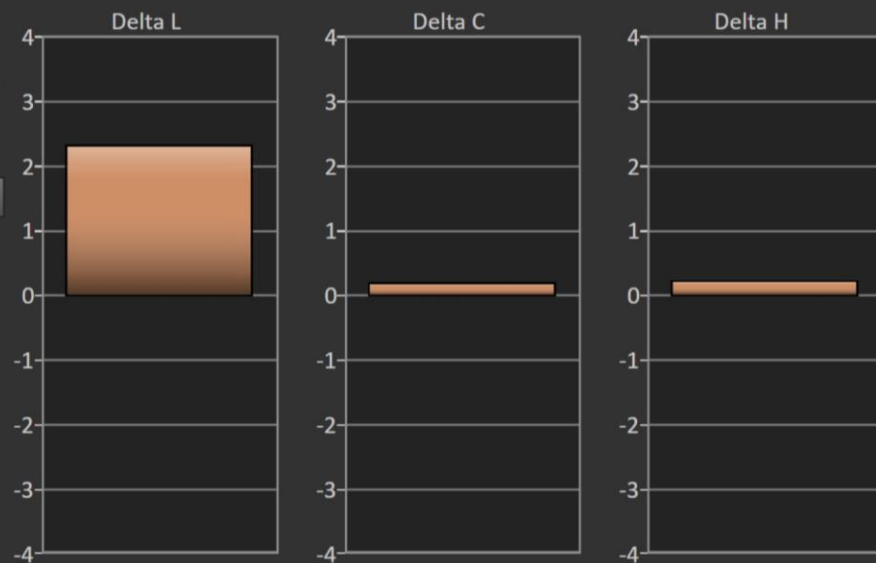
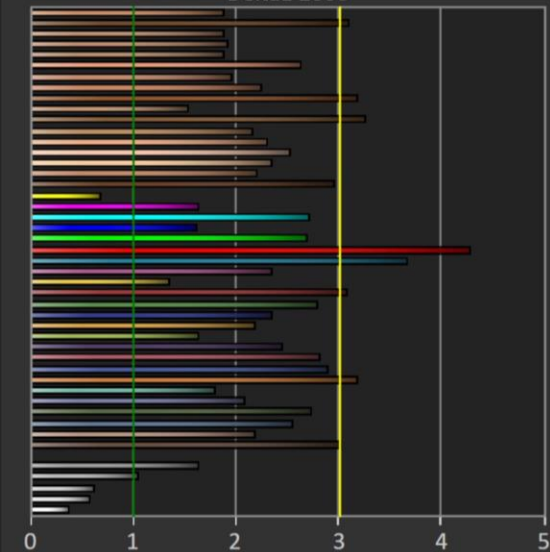


ColorChecker

Display analysis is performed with the X-Rite/Pantone ColorChecker® target colors.

dE Formula: 2000

DeltaE 2000



Avg dE2000: 2.24

Max dE2000: 4.28

Current Reading

x: 0.446

y: 0.3836

fL: 17.84

cd/m²: 61.13

	White	Gray 80	Gray 65	Gray 50	Gray 35	Black	Dark Skin	Light Skin	Blue Sky	Foliage	Blue Flower	Bluish Green	Orange	Purplish E
x: CIE31	0.3121	0.3117	0.3122	0.3114	0.3112	0.3774	0.4074	0.3781	0.2457	0.3374	0.2670	0.2558	0.5178	0.2119
y: CIE31	0.3283	0.3280	0.3282	0.3273	0.3267	0.3664	0.3575	0.3496	0.2676	0.4295	0.2554	0.3551	0.4003	0.1944
Y	160.9616	129.7107	106.0722	83.1381	59.6911	0.0012	18.5287	59.8614	33.8767	24.4210	41.4305	72.0557	50.4398	21.6795
Target x:CIE31	0.3127	0.3127	0.3127	0.3127	0.3127	0.3127	0.4064	0.3788	0.2478	0.3388	0.2673	0.2613	0.5140	0.2127
Target y:CIE31	0.3290	0.3290	0.3290	0.3290	0.3290	0.3290	0.3615	0.3539	0.2664	0.4329	0.2539	0.3558	0.4088	0.1896
Target Y	160.9616	128.2730	103.9096	80.4012	56.1538	0.0000	15.6927	56.1062	30.7375	21.1572	37.8307	68.1938	46.3075	18.8416
ΔE 2000	0.3820	0.5880	0.6174	1.0539	1.6385	0.0066	3.0225	2.1871	2.5583	2.7258	2.0925	1.7981	3.1753	2.8998
ΔE ITP	0.3567	1.0221	1.5474	2.5404	4.3768	5.1133	10.5703	4.9892	6.6266	9.0896	6.0906	5.1226	8.8674	8.9181

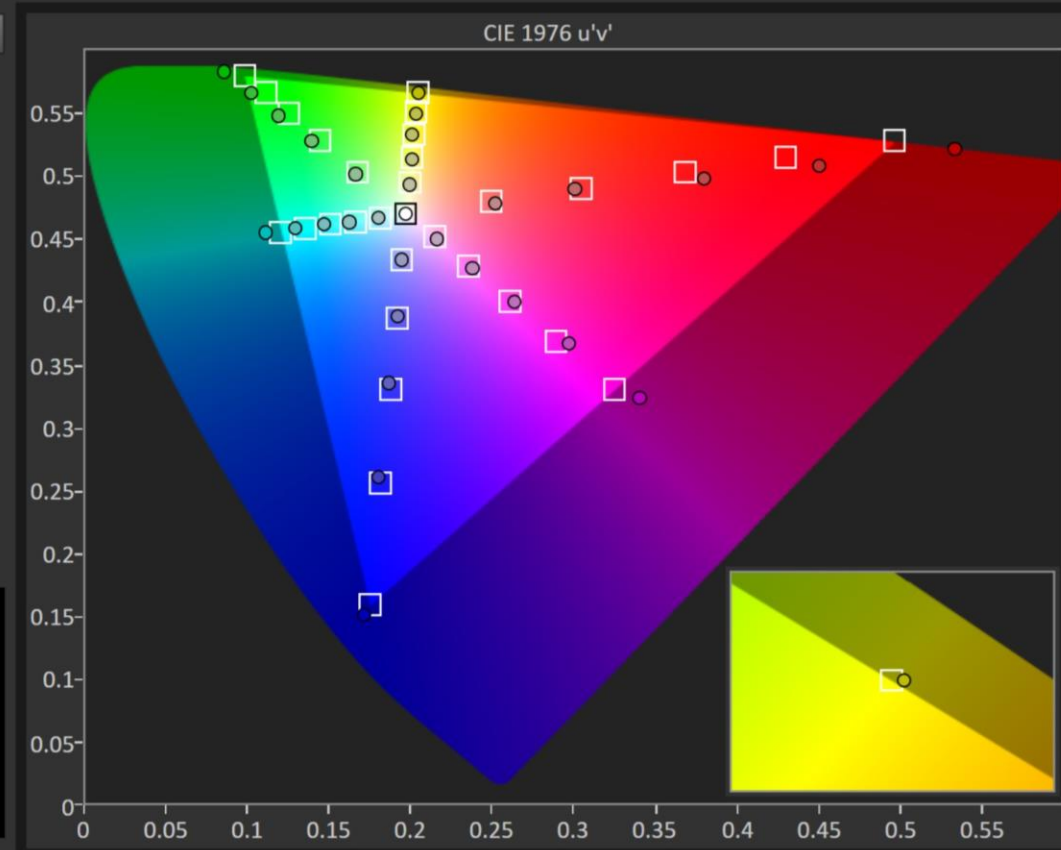
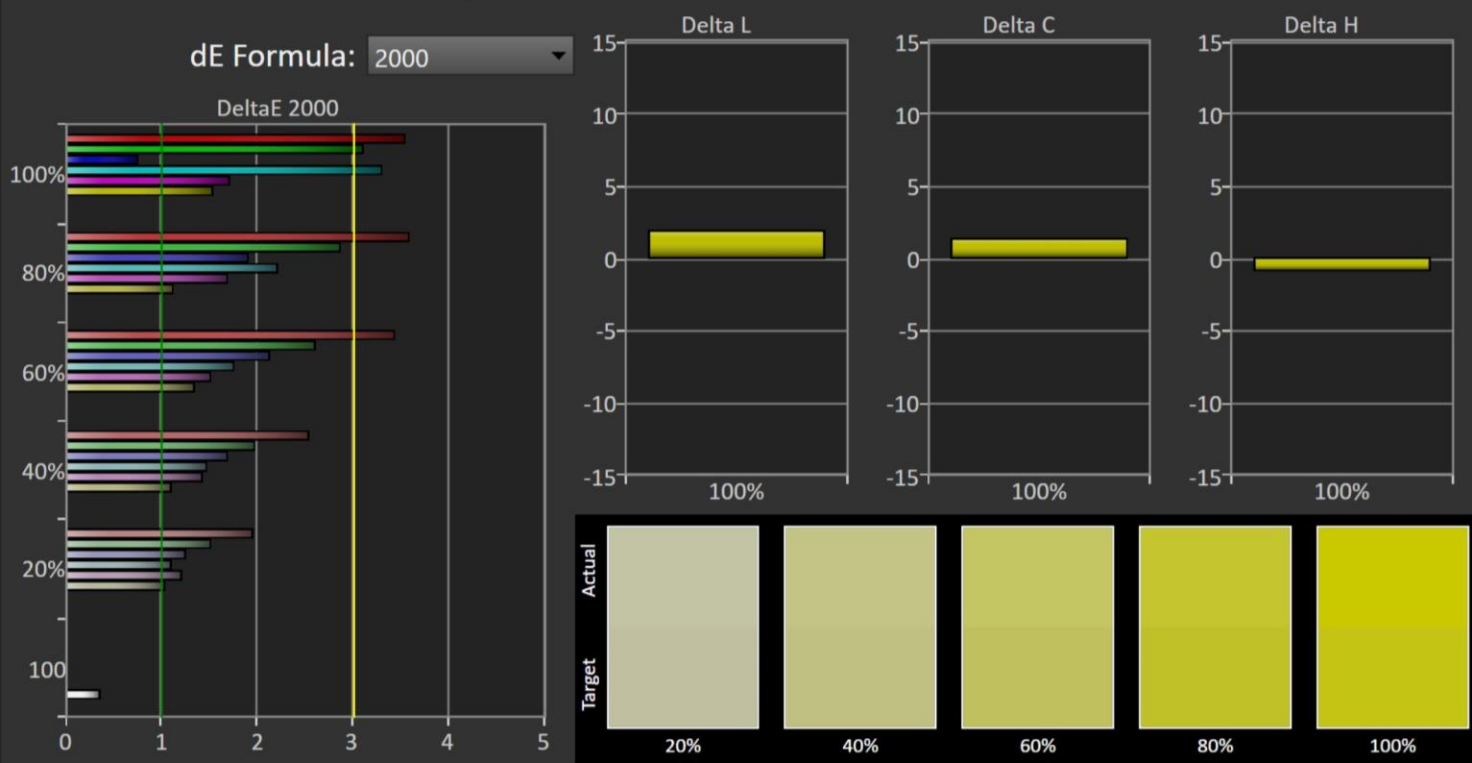
Saturation: Custom Setting

Samsung Odyssey OLED G8 – DCI-P3

Portrait Display Calman Ultimate | Target: Avg. DeltaE < 2.5 | Max. DeltaE < 4.5



Saturation Sweeps



Avg dE2000: 1.9

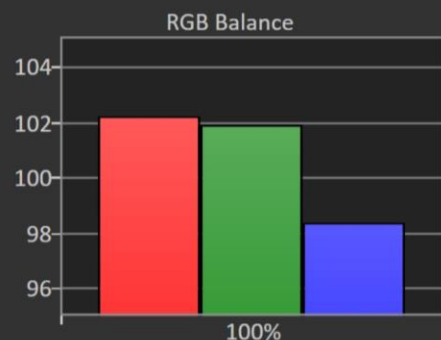
Max dE2000: 3.6

Current Reading

x: 0.4397 y: 0.5361

fL: 24.36

cd/m²: 83.45



	20%	40%	60%	80%	100%
x: CIE31	0.3364	0.3595	0.3837	0.4116	0.4397
y: CIE31	0.3683	0.4069	0.4498	0.4912	0.5361
Y	86.3584	85.5499	85.0190	83.4221	83.4522
Target x:CIE31	0.3384	0.3619	0.3869	0.4128	0.4378
Target y:CIE31	0.3714	0.4103	0.4517	0.4944	0.5359
Target Y	83.1386	81.6477	80.3865	79.3367	78.4974
ΔE 2000	1.0435	1.1088	1.3514	1.1187	1.5313
ΔE ITP	3.0500	3.6939	4.2815	3.9132	4.8504