

Colorimetric data of "Standard Original": Television Reflective System TRS18 for CIE lightness L*=18 of black and illuminant D65

System TRS18	Color	L*=LAB* ₁	a*=LAB* ₂	b*=LAB* ₃	C* _{ab} =LAB* _r	X=XYZ ₁	Y=XYZ ₂	Z=XYZ ₃	x	y	Y/88.59
(Reflective CIE, Y _N =2.52 and CIELAB zero point) (CIELAB according to ISO/IEC 15775)	O (R)	53.24	80.09	67.21	104.55	41.24	21.27	1.93	0.64	0.33	0.24
	Y	97.14	-21.54	94.49	96.92	77.0	92.78	13.85	0.4193	0.5053	1.0472
	L (G)	87.73	-86.16	83.19	119.78	35.76	71.52	11.91	0.3	0.6	0.8072
	C	91.12	-48.06	-14.11	50.1	53.81	78.75	106.94	0.2247	0.3288	0.8888
	V (B)	27.44	32.75	-46.12	56.57	8.09	5.25	24.12	0.216	0.1402	0.0593
	M	60.32	98.24	-60.82	115.54	59.28	28.48	96.96	0.3209	0.1542	0.3215
	N	0.01	0.0	0.0	0.01	0.0	0.0	0.0	0.3127	0.329	0.0
	W	95.41	0.0	0.0	0.01	84.2	88.6	96.46	0.3127	0.329	1.0
	N0	18.01	0.0	0.0	0.01	2.4	2.52	2.74	0.3127	0.329	0.0284
	W1	100.0	0.0	0.0	0.01	95.04	100.0	108.88	0.3127	0.329	1.1288

Calculated colorimetric data: Television Luminous Systems (TLSxx) for CIE lightness L*=00, 06, 11, 18 of black; illuminant D65

System TLS00	Color	L*=LAB* ₁	a*=LAB* ₂	b*=LAB* ₃	C* _r =LAB* _r	X=XYZ ₁	Y=XYZ ₂	Z=XYZ ₃	x	y	Y/88.59
(Display reflection Y _r =0.0)	O (R)	51.03	85.72	87.98	122.84	39.98 (=39.98+0.0)	19.3 (=19.3+0.0)	-0.83 (= -0.83+0.0)	0.6841	0.3302	0.2178
	Y	97.19	-22.18	100.81	103.22	76.78 (=76.78+0.0)	92.9 (=92.9+0.0)	11.43 (=11.43+0.0)	0.424	0.5129	1.0486
	L (G)	87.49	-89.95	89.92	127.2	34.34 (=34.34+0.0)	71.02 (=71.02+0.0)	9.44 (=9.44+0.0)	0.2991	0.6186	0.8016
	C	90.99	-49.79	-14.52	51.88	52.92 (=52.92+0.0)	78.46 (=78.46+0.0)	107.25 (=107.25+0.0)	0.2218	0.3288	0.8856
	V (B)	19.27	45.56	-56.55	72.63	5.87 (=5.87+0.0)	2.81 (=2.81+0.0)	22.01 (=22.01+0.0)	0.1912	0.0916	0.0317
	M	58.71	103.4	-63.59	121.39	58.55 (=58.55+0.0)	26.72 (=26.72+0.0)	96.97 (=96.97+0.0)	0.3213	0.1466	0.3016
	N	0.0	0.0	0.0	0.0	-2.45 (= -2.45+0.0)	-2.58 (= -2.58+0.0)	-2.81 (= -2.81+0.0)	0.3127	0.329	-0.0292
	W	95.41	0.0	0.0	0.0	84.2 (=84.2+0.0)	88.6 (=88.6+0.0)	96.46 (=96.46+0.0)	0.3127	0.329	1.0
	N0	0.0	0.0	0.0	0.0	0.0 (=0.0+0.0)	0.0 (=0.0+0.0)	0.0 (=0.0+0.0)	0.256	0.3514	0.0
	W1	100.13	0.0	0.0	0.0	95.36 (=95.36+0.0)	100.34 (=100.34+0.0)	109.25 (=109.25+0.0)	0.3127	0.329	1.1325

System TLS06	Color	L*=LAB* ₁	a*=LAB* ₂	b*=LAB* ₃	C* _r =LAB* _r	X=XYZ ₁	Y=XYZ ₂	Z=XYZ ₃	x	y	Y/88.59
(Display reflection Y _r =0.63)	O (R)	51.6	84.26	88.96	122.53	40.3 (=39.7+0.6)	19.79 (=19.16+0.63)	-0.13 (= -0.82+0.69)	0.6723	0.3301	0.2234
	Y	97.17	-22.02	99.15	101.57	76.84 (=76.24+0.6)	92.87 (=92.24+0.63)	12.03 (=11.35+0.69)	0.4228	0.511	1.0483
	L (G)	87.55	-88.99	88.13	125.25	34.7 (=34.1+0.6)	71.14 (=70.51+0.63)	10.06 (=9.37+0.69)	0.2994	0.6138	0.803
	C	91.02	-49.36	-14.42	51.43	53.15 (=52.55+0.6)	78.53 (=77.9+0.63)	107.17 (=106.49+0.69)	0.2225	0.3288	0.8864
	V (B)	21.66	41.34	-53.37	67.52	6.42 (=5.82+0.6)	3.42 (=2.79+0.63)	22.54 (=21.85+0.69)	0.1984	0.1057	0.0386
	M	59.12	102.08	-62.89	119.9	58.73 (=58.13+0.6)	27.16 (=26.53+0.63)	96.97 (=96.28+0.69)	0.3212	0.1485	0.3066
	N	0.0	0.0	0.0	0.0	-1.84 (= -2.44+0.6)	-1.93 (= -2.56+0.63)	-2.11 (= -2.79+0.69)	0.3127	0.329	-0.0218
	W	95.41	0.0	0.0	0.0	84.2 (=83.6+0.6)	88.6 (=87.97+0.63)	96.46 (=95.78+0.69)	0.3127	0.329	1.0
	N0	5.69	0.0	0.0	0.0	0.6 (=0.0+0.6)	0.63 (=0.0+0.63)	0.69 (=0.0+0.69)	0.3127	0.329	0.0071
	W1	100.1	0.0	0.0	0.0	95.28 (=94.68+0.6)	100.25 (=99.62+0.63)	109.16 (=108.47+0.69)	0.3127	0.329	1.1316

System TLS11	Color	L*=LAB* ₁	a*=LAB* ₂	b*=LAB* ₃	C* _r =LAB* _r	X=XYZ ₁	Y=XYZ ₂	Z=XYZ ₃	x	y	Y/88.59
(Display reflection Y _r =1.26)	O (R)	52.15	82.84	82.07	116.61	40.61 (=39.41+1.2)	20.28 (=19.02+1.26)	0.55 (= -0.81+1.37)	0.661	0.3301	0.2289
	Y	97.16	-21.86	97.55	99.97	76.89 (=75.69+1.2)	92.84 (=91.58+1.26)	12.64 (=11.27+1.37)	0.4216	0.5091	1.0479
	L (G)	87.61	-88.04	86.42	123.37	35.05 (=33.85+1.2)	71.27 (=70.01+1.26)	10.68 (=9.3+1.37)	0.2996	0.6091	0.8044
	C	91.05	-48.92	-14.32	50.99	53.37 (=52.17+1.2)	78.6 (=77.34+1.26)	107.1 (=105.73+1.37)	0.2232	0.3288	0.8872
	V (B)	23.77	37.95	-50.64	63.28	6.98 (=5.78+1.2)	4.03 (=2.77+1.26)	23.06 (=21.69+1.37)	0.2048	0.1183	0.0455
	M	59.53	100.78	-62.19	118.43	58.92 (=57.72+1.2)	27.6 (=26.34+1.26)	96.96 (=95.59+1.37)	0.3211	0.1504	0.3115
	N	0.0	0.0	0.0	0.0	-1.22 (= -2.42+1.2)	-1.29 (= -2.55+1.26)	-1.4 (= -2.77+1.37)	0.3127	0.329	-0.0145
	W	95.41	0.0	0.0	0.0	84.2 (=83.0+1.2)	88.6 (=87.34+1.26)	96.46 (=95.09+1.37)	0.3127	0.329	1.0
	N0	11.0	0.0	0.0	0.0	1.2 (=0.0+1.2)	1.26 (=0.0+1.26)	1.37 (=0.0+1.37)	0.3127	0.329	0.0142
	W1	100.06	0.0	0.0	0.0	95.2 (=94.0+1.2)	100.17 (=98.91+1.26)	109.07 (=107.69+1.37)	0.3127	0.329	1.1306

System TLS18	Color	L*=LAB* ₁	a*=LAB* ₂	b*=LAB* ₃	C* _r =LAB* _r	X=XYZ ₁	Y=XYZ ₂	Z=XYZ ₃	x	y	Y/88.59
(Display reflection Y _r =2.52)	O (R)	53.24	80.09	67.21	104.55	41.24 (=38.85+2.4)	21.27 (=18.75+2.52)	1.93 (= -0.8+2.74)	0.64	0.33	0.24
	Y	97.14	-21.54	94.49	96.92	77.0 (=74.6+2.4)	92.78 (=90.26+2.52)	13.85 (=11.1+2.74)	0.4193	0.5053	1.0472
	L (G)	87.73	-86.16	83.19	119.78	35.76 (=33.36+2.4)	71.52 (=69.0+2.52)	11.91 (=9.17+2.74)	0.3	0.6	0.8072
	C	91.12	-48.06	-14.11	50.1	53.81 (=51.42+2.4)	78.75 (=76.23+2.52)	106.94 (=104.2+2.74)	0.2247	0.3288	0.8888
	V (B)	27.44	32.75	-46.12	56.57	8.09 (=5.7+2.4)	5.25 (=2.73+2.52)	24.12 (=21.38+2.74)	0.216	0.1402	0.0593
	M	60.32	98.24	-60.82	115.54	59.28 (=56.89+2.4)	28.48 (=25.96+2.52)	96.96 (=94.21+2.74)	0.3209	0.1542	0.3215
	N	0.01	0.0	0.0	0.0	0.0 (= -2.38+2.4)	0.0 (= -2.51+2.52)	0.0 (= -2.73+2.74)	0.3037	0.3196	0.0
	W	95.41	0.0	0.0	0.0	84.2 (=81.81+2.4)	88.6 (=86.08+2.52)	96.46 (=93.72+2.74)	0.3127	0.329	1.0
	N0	18.01	0.0	0.0	0.0	2.4 (=0.0+2.4)	2.52 (=0.0+2.52)	2.74 (=0.0+2.74)	0.3127	0.329	0.0284
	W1	100.0	0.0	0.0	0.0	95.04 (=92.65+2.4)	100.0 (=97.48+2.52)	108.88 (=106.14+2.74)	0.3127	0.329	1.1288