

Colorimetric data of "Standard Original": Television Reflective System TRS18 for CIE lightness $L^*=18$ of black

System TRS18

(Reflective CIE, $Y_N=2.52$
and CIELAB zero point)
(CIELAB according
to ISO/IEC 15775)

Color	$L^*=LAB^*$	$a^*=LAB^*$	$b^*=LAB^*$	$C^*=LAB^*$	$X=XYZ_1$	$Y=XYZ_2$	$Z=XYZ_3$	x	y	Y/88.59
C	87.14	-44.42	-13.12	46.33	48.72	70.29	94.79	0.2279	0.3288	0.7934
V (B)	31.9	24.46	-37.38	44.68	9.36	7.04	23.51	0.2346	0.1764	0.0795
M	59.01	89.33	-19.43	91.42	53.43	27.04	44.82	0.4265	0.2158	0.3052
O (R)	52.76	71.63	49.88	87.29	37.9	20.83	4.41	0.6003	0.3299	0.2351
Y	92.74	-20.03	84.97	87.3	68.68	82.37	14.66	0.4144	0.4971	0.9298
L (G)	84.0	-78.99	73.94	108.2	33.17	64.07	13.0	0.3009	0.5812	0.7231
N	18.01	0.0	0.0	0.0	2.4	2.52	2.74	0.3127	0.329	0.0284
W	95.41	0.0	0.0	0.0	84.21	88.59	96.48	0.3127	0.329	1.0
N0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.3127	0.329	0.0
W1	100.0	0.0	0.0	0.0	95.05	100.0	108.9	0.3127	0.329	1.1288

Colorimetric data: Television Reflective System TRS18 for CIE lightness $L^*=18$ of black

System TRS18

(Reflection adapted
and CIELAB zero point)

Color	$L^*=LAB^*$	$a^*=LAB^*$	$b^*=LAB^*$	$C^*=LAB^*$	$X=XYZ_1$	$Y=XYZ_2$	$Z=XYZ_3$	x	y	Y/88.59
C	87.14	-44.42	-13.12	46.33	48.72	70.29	94.79	0.2279	0.3288	0.7934
V (B)	31.9	24.46	-37.38	44.68	9.36	7.04	23.51	0.2346	0.1764	0.0795
M	59.01	89.33	-19.43	91.42	53.43	27.04	44.82	0.4265	0.2158	0.3052
O (R)	52.76	71.63	49.88	87.29	37.9	20.83	4.41	0.6003	0.3299	0.2351
Y	92.74	-20.03	84.97	87.3	68.68	82.37	14.66	0.4144	0.4971	0.9298
L (G)	84.0	-78.99	73.94	108.2	33.17	64.07	13.0	0.3009	0.5812	0.7231
N	18.01	0.0	0.0	0.0	2.4	2.52	2.74	0.3127	0.329	0.0284
W	95.41	0.0	0.0	0.0	84.21	88.59	96.48	0.3127	0.329	1.0
N0	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.3037	0.3195	0.0
W1	100.0	0.0	0.0	0.0	95.05	100.0	108.9	0.3127	0.329	1.1288

Calculated colorimetric data: Television Luminous Systeme (TLSxx) for CIE lightness $L^*=xx=00$, 18 of black

System TLS00

(Display reflection
 $Y_r=0.0$)

Color	$L^*=LAB^*$	$a^*=LAB^*$	$b^*=LAB^*$	$C^*=LAB^*$	$X=XYZ_1$	$Y=XYZ_2$	$Z=XYZ_3$	x	y	Y/88.59
C	86.88	-46.15	-13.54	48.11	47.68 (=47.68+0.0)	69.76 (=69.76+0.0)	94.74 (=94.74+0.0)	0.2247	0.3288	0.7874
V (B)	25.72	31.45	-44.28	54.32	7.17 (=7.17+0.0)	4.65 (=4.65+0.0)	21.37 (=21.37+0.0)	0.2161	0.1402	0.0525
M	57.31	84.35	-20.68	96.59	52.53 (=52.53+0.0)	25.24 (=25.24+0.0)	43.31 (=43.31+0.0)	0.4339	0.2084	0.2849
O (R)	50.5	76.91	64.55	100.41	36.54 (=36.54+0.0)	18.84 (=18.84+0.0)	1.71 (=1.71+0.0)	0.64	0.33	0.1217
Y	92.66	-20.68	90.75	93.08	68.22 (=68.22+0.0)	82.19 (=82.19+0.0)	12.27 (=12.27+0.0)	0.4194	0.5052	0.9278
L (G)	83.62	-82.74	79.9	115.03	31.68 (=31.68+0.0)	63.35 (=63.35+0.0)	10.55 (=10.55+0.0)	0.3	0.6	0.715
N	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)	0.2789	0.2934	0.0
W	95.41	0.0	0.0	0.0	84.21 (=84.21+0.0)	88.59 (=88.59+0.0)	96.48 (=96.48+0.0)	0.3127	0.329	1.0
N0	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
W1	100.13	0.0	0.0	0.0	95.37 (=95.37+0.0)	100.33 (=100.33+0.0)	109.26 (=109.26+0.0)	0.3127	0.329	1.1325

System TLS18

(Display reflection
 $Y_r=2.52$)

Color	$L^*=LAB^*$	$a^*=LAB^*$	$b^*=LAB^*$	$C^*=LAB^*$	$X=XYZ_1$	$Y=XYZ_2$	$Z=XYZ_3$	x	y	Y/88.59
C	87.14	-44.42	-13.12	46.33	48.72 (=46.32+2.4)	70.29 (=67.77+2.52)	94.79 (=92.04+2.74)	0.2279	0.3288	0.7934
V (B)	31.9	24.46	-37.38	44.68	9.36 (=6.97+2.4)	7.04 (=4.52+2.52)	23.51 (=20.76+2.74)	0.2346	0.1764	0.0795
M	59.01	89.33	-19.43	91.42	53.43 (=51.03+2.4)	27.04 (=24.52+2.52)	44.82 (=42.07+2.74)	0.4265	0.2158	0.3052
O (R)	52.76	71.63	49.88	87.29	37.9 (=35.5+2.4)	20.83 (=18.31+2.52)	4.41 (=1.66+2.74)	0.6003	0.3299	0.2351
Y	92.74	-20.03	84.97	87.3	68.68 (=66.28+2.4)	82.37 (=79.85+2.52)	14.66 (=11.92+2.74)	0.4144	0.4971	0.9298
L (G)	84.0	-78.99	73.94	108.2	33.17 (=30.78+2.4)	64.07 (=61.55+2.52)	13.0 (=10.25+2.74)	0.3009	0.5812	0.7231
N	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
W	95.41	0.0	0.0	0.0	84.21 (=81.81+2.4)	88.59 (=86.07+2.52)	96.48 (=93.73+2.74)	0.3127	0.329	1.0
N0	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
W1	100.0	0.0	0.0	0.0	95.05 (=92.65+2.4)	100.0 (=97.48+2.52)	108.9 (=106.16+2.74)	0.3127	0.329	1.1288

LE470-7N, Colorimetric data of Television Reflective System TRS18 and calculated Television Luminous Systems TLS00, TLS18

BAM-test chart no. LE47; colorimetric coordinates
TRS18 and Television Luminous Systems TLS00, 18

input: cmy0* setcmycolor
output: no change compared to input