

Colorimetric "Standard data": Television Luminous System TLS00 for CIE lightness $L^*=00$ of black for illuminant D65

System TLS00

sRGB system

D65 reflection:

$Y_N = 0.0$

$L^*_N = 0.01$

Color	r=ol ^v *1	g=ol ^v *2	b=ol ^v *3	L*	a*	b*	C* _{ab}	h _{ab}	X=XYZ ₁	Y=XYZ ₂	Z=XYZ ₃	x	y	Y/88.59
O (R)	1.0	0.0	0.0	50.5	76.92	64.55	100.42	40	36.54	18.84	1.71	0.64	0.33	0.2127
Y	1.0	1.0	0.0	92.66	-20.69	90.75	93.08	103	68.21	82.19	12.27	0.4193	0.5053	0.9278
L (G)	0.0	1.0	0.0	83.63	-82.75	79.9	115.04	136	31.68	63.36	10.56	0.3	0.6	0.7152
C	0.0	1.0	1.0	86.88	-46.16	-13.55	48.12	196	47.67	69.76	94.74	0.2247	0.3288	0.7874
V (B)	0.0	0.0	1.0	25.72	31.45	-44.29	54.33	305	7.17	4.65	21.37	0.216	0.1402	0.0525
M	1.0	0.0	1.0	57.3	94.35	-58.41	110.97	328	52.52	25.23	85.89	0.3209	0.1542	0.2848
N	0.0	0.0	0.0	0.01	0.0	0.0	0.01	0	0.0	0.0	0.0	0.3127	0.329	0.0
W	1.0	1.0	1.0	95.41	0.0	0.0	0.01	0	84.2	88.59	96.46	0.3127	0.329	1.0
N0	0.0	0.0	0.0	0.01	0.0	0.0	0.01	0	0.0	0.0	0.0	0.3127	0.329	0.0
W1	1.0	1.0	1.0	95.41	0.0	0.0	0.01	0	84.2	88.59	96.46	0.3127	0.329	1.0

Colorimetric "Adapted data (a)": Television Luminous System TLS00a for CIE lightness $L^*=00a$ of black for illuminant D65

System TLS00a

sRGB system

D65 reflection:

$Y_N = 0.0$

$L^*_N = 0.01$

Color	r=ol ^v *1	g=ol ^v *2	b=ol ^v *3	L*	a*	b*	C* _{ab,a}	h _{ab,a}	X _a =XYZ _{1a}	Y _a =XYZ _{2a}	Z _a =XYZ _{3a}	x _a	y _a	Y _a /88.59
O (R)	1.0	0.0	0.0	50.5	76.92	64.55	100.42	40	36.54	18.84	1.71	0.64	0.33	0.2127
Y	1.0	1.0	0.0	92.66	-20.69	90.75	93.08	103	68.21	82.19	12.27	0.4193	0.5053	0.9278
L (G)	0.0	1.0	0.0	83.63	-82.75	79.9	115.04	136	31.68	63.36	10.56	0.3	0.6	0.7152
C	0.0	1.0	1.0	86.88	-46.16	-13.55	48.12	196	47.67	69.76	94.74	0.2247	0.3288	0.7874
V (B)	0.0	0.0	1.0	25.72	31.45	-44.29	54.33	305	7.17	4.65	21.37	0.216	0.1402	0.0525
M	1.0	0.0	1.0	57.3	94.35	-58.41	110.97	328	52.52	25.23	85.89	0.3209	0.1542	0.2848
N	0.0	0.0	0.0	0.01	0.0	0.0	0.01	0	0.0	0.0	0.0	0.3127	0.329	0.0
W	1.0	1.0	1.0	95.41	0.0	0.0	0.01	0	84.2	88.59	96.46	0.3127	0.329	1.0
N0	0.0	0.0	0.0	0.01	0.0	0.0	0.01	0	0.0	0.0	0.0	0.3127	0.329	0.0
W1	1.0	1.0	1.0	95.41	0.0	0.0	0.01	0	84.2	88.59	96.46	0.3127	0.329	1.0

Colorimetric "Adapted data (a0)": Television Luminous System TLS00a0 for CIE lightness $L^*=00a0$ of black for illuminant D65

System TLS00a0

sRGB system

D65 reflection:

$Y_N = 0.0$

$L^*_N = 0.0$

Color	r=ol ^v *1	g=ol ^v *2	b=ol ^v *3	L*	a*	b*	C* _{ab,a0}	h _{ab,a0}	X _{a0} =XYZ _{1a0}	Y _{a0} =XYZ _{2a0}	Z _{a0} =XYZ _{3a0}	x _{a0}	y _{a0}	Y _{a0} /88.59
O (R)	1.0	0.0	0.0	50.5	76.92	64.55	100.42	40	36.54(=36.53+0.0)	18.84(=18.84+0.0)	1.71(=1.71+0.0)	0.64	0.33	0.2127
Y	1.0	1.0	0.0	92.66	-20.69	90.75	93.08	103	68.21(=68.21+0.0)	82.19(=82.19+0.0)	12.27(=12.27+0.0)	0.4193	0.5053	0.9278
L (G)	0.0	1.0	0.0	83.63	-82.75	79.9	115.04	136	31.68(=31.68+0.0)	63.36(=63.36+0.0)	10.56(=10.55+0.0)	0.3	0.6	0.7152
C	0.0	1.0	1.0	86.88	-46.16	-13.55	48.12	196	47.67(=47.67+0.0)	69.76(=69.76+0.0)	94.74(=94.74+0.0)	0.2247	0.3288	0.7874
V (B)	0.0	0.0	1.0	25.72	31.45	-44.29	54.33	305	7.17(=7.17+0.0)	4.65(=4.65+0.0)	21.37(=21.37+0.0)	0.216	0.1402	0.0525
M	1.0	0.0	1.0	57.3	94.35	-58.41	110.97	328	52.52(=52.52+0.0)	25.23(=25.23+0.0)	85.89(=85.89+0.0)	0.3209	0.1542	0.2848
N	0.0	0.0	0.0	0.01	0.0	0.0	0.01	0	0.0(=0.0+0.0)	0.0(=0.0+0.0)	0.0(=0.0+0.0)	0.3118	0.3281	0.0
W	1.0	1.0	1.0	95.41	0.0	0.0	0.01	0	84.2(=84.2+0.0)	88.59(=88.59+0.0)	96.46(=96.46+0.0)	0.3127	0.329	1.0
N0	0.0	0.0	0.0	0.01	0.0	0.0	0.01	0	0.0(=0.0+0.0)	0.0(=0.0+0.0)	0.0(=0.0+0.0)	0.3118	0.3281	0.0
W1	1.0	1.0	1.0	95.41	0.0	0.0	0.01	0	84.2(=84.2+0.0)	88.59(=88.59+0.0)	96.46(=96.46+0.0)	0.3127	0.329	1.0