

Colorimetric "Adapted data (b)": Television Luminous System TLS00b for CIE lightness $L^*=00$ of black and for illuminant D65															
System TLS00b	Color i	r^*_{d}	g^*_{d}	b^*_{d}	$L^*_{\text{re,d}}$	$\Delta L^*_{\text{re,d}}$	$L^*_{\text{it,d}}$	$\Delta L^*_{\text{it,d}}$	w_{d}	$X_{\text{b,d}}$	$Y_{\text{b,d}}$	$Z_{\text{b,d}}$	$x_{\text{b,d}}$	$y_{\text{b,d}}$	$Y_{\text{b,d}}/88.59$
D65 reflection: $Y_{\text{N}} = 0.0$ $L^*_{\text{N}} = 0.0$	01, O_{d}	0.0	0.0	0.0	0.01	11.92	0.01	11.93	0.0	0.0(=0.0+0.0)	0.0(=0.0+0.0)	0.0(=0.0+0.0)	0.3118	0.3281	0.0
	02, I_{d}	0.125	0.125	0.125	11.93	11.92	11.94	11.93	0.125	1.33(=1.33+0.0)	1.4(=1.39+0.0)	1.52(=1.52+0.0)	0.3127	0.329	0.0158
	03, 2_{d}	0.25	0.25	0.25	23.85	11.92	23.86	11.93	0.25	3.85(=3.85+0.0)	4.05(=4.05+0.0)	4.41(=4.41+0.0)	0.3127	0.329	0.0458
	04, 3_{d}	0.375	0.375	0.375	35.78	11.93	35.79	11.92	0.375	8.45(=8.45+0.0)	8.89(=8.89+0.0)	9.68(=9.68+0.0)	0.3127	0.329	0.1004
	05, 4_{d}	0.5	0.5	0.5	47.7	11.92	47.71	11.92	0.5	15.74(=15.74+0.0)	16.56(=16.56+0.0)	18.03(=18.03+0.0)	0.3127	0.329	0.1869
	06, 5_{d}	0.625	0.625	0.625	59.63	11.93	59.64	11.92	0.625	26.34(=26.34+0.0)	27.71(=27.71+0.0)	30.18(=30.17+0.0)	0.3127	0.329	0.3128
	07, 6_{d}	0.75	0.75	0.75	71.55	11.92	71.56	11.93	0.75	40.86(=40.86+0.0)	42.99(=42.99+0.0)	46.81(=46.81+0.0)	0.3127	0.329	0.4853
	08, 7_{d}	0.875	0.875	0.875	83.48	11.93	83.49	11.92	0.875	59.94(=59.94+0.0)	63.07(=63.07+0.0)	68.67(=68.67+0.0)	0.3127	0.329	0.7119
	09, 8_{d}	1.0	1.0	1.0	95.41	11.93	95.41	11.93	1.0	84.2(=84.2+0.0)	88.59(=88.59+0.0)	96.46(=96.46+0.0)	0.3127	0.329	1.0
	10, N_{d}	0.0	0.0	0.0	0.01		0.01			0.0(=0.0+0.0)	0.0(=0.0+0.0)	0.0(=0.0+0.0)	0.3118	0.3281	0.0
	11, W_{d}	1.0	1.0	1.0	95.41	95.4	95.41	95.4		84.2(=84.2+0.0)	88.59(=88.59+0.0)	96.46(=96.46+0.0)	0.3127	0.329	1.0

Calculated colorimetric data (b): Television Luminous Systems TLS18b for CIE lightness $L^*=18$ of black and for illuminant D65															
D65 reflection: $Y_N = 2.52$ $L^*_N = 18.01$	Color i	$r^*_{a,d}$	$g^*_{a,d}$	$b^*_{a,d}$	$L^*_{re,d}$	$\Delta L^*_{re,d}$	$L^*_{it,d}$	$\Delta L^*_{it,d}$	w_d	$X_{a,d}$	$Y_{a,d}$	$Z_{a,d}$	$x_{a,d}$	$y_{a,d}$	$Y_{a,d}/88.59$
	01, O_d	0.0	0.0	0.0	18.01		18.01		0.0	2.4(=0.0+2.4)	2.52(=0.0+2.52)	2.74(=0.0+2.74)	0.3127	0.329	0.0285
	02, I_d	0.125	0.125	0.125	23.26	5.24	27.69	9.67	0.068	3.68(=1.29+2.4)	3.88(=1.36+2.52)	4.22(=1.48+2.74)	0.3127	0.329	0.0438
	03, 2_d	0.25	0.25	0.25	30.54	7.28	37.36	9.67	0.162	6.14(=3.74+2.4)	6.46(=3.94+2.52)	7.03(=4.29+2.74)	0.3127	0.329	0.0729
	04, 3_d	0.375	0.375	0.375	39.85	9.31	47.04	9.67	0.282	10.61(=8.21+2.4)	11.16(=8.64+2.52)	12.15(=9.41+2.74)	0.3127	0.329	0.126
	05, 4_d	0.5	0.5	0.5	50.23	10.37	56.71	9.67	0.416	17.69(=15.29+2.4)	18.61(=16.09+2.52)	20.26(=17.52+2.74)	0.3127	0.329	0.21
	06, 5_d	0.625	0.625	0.625	61.17	10.95	66.39	9.67	0.558	27.99(=25.59+2.4)	29.45(=26.93+2.52)	32.06(=29.32+2.74)	0.3127	0.329	0.3324
	07, 6_d	0.75	0.75	0.75	72.42	11.25	76.06	9.67	0.703	42.09(=39.7+2.4)	44.29(=41.77+2.52)	48.22(=45.48+2.74)	0.3127	0.329	0.4999
	08, 7_d	0.875	0.875	0.875	83.86	11.44	85.74	9.67	0.851	60.63(=58.24+2.4)	63.8(=61.28+2.52)	69.46(=66.72+2.74)	0.3127	0.329	0.7201
	09, 8_d	1.0	1.0	1.0	95.41	11.55	95.41	9.67	1.0	84.2(=81.8+2.4)	88.59(=86.07+2.52)	96.46(=93.72+2.74)	0.3127	0.329	1.0
	10, N_d	0.0	0.0	0.0	18.01		18.01			2.4(=0.0+2.4)	2.52(=0.0+2.52)	2.74(=0.0+2.74)	0.3127	0.329	0.0285
11, W_d	1.0	1.0	1.0	95.41	77.4	95.41	77.4		84.2(=81.8+2.4)	88.59(=86.07+2.52)	96.46(=93.72+2.74)	0.3127	0.329	1.0	

Calculated colorimetric data (b): Television Luminous Systems TLS70b for CIE lightness $L^*=70$ of black and for illuminant D65															
D65 reflection: $Y_N = 40.32$ $L^*_N = 69.7$	Color i	$r^*_{a,d}$	$g^*_{a,d}$	$b^*_{a,d}$	$L^*_{re,d}$	$\Delta L^*_{re,d}$	$L^*_{it,d}$	$\Delta L^*_{it,d}$	w_d	$X_{a,d}$	$Y_{a,d}$	$Z_{a,d}$	$x_{a,d}$	$y_{a,d}$	$Y_{a,d}/88.59$
	01, O_d	0.0	0.0	0.0	69.7		69.7		0.0	38.32(=0.0+38.32)	40.32(=0.0+40.32)	43.9(=0.0+43.9)	0.3127	0.329	0.4551
	02, I_d	0.125	0.125	0.125	70.23	0.54	72.91	3.21	0.021	39.04(=0.72+38.32)	41.08(=0.76+40.32)	44.73(=0.83+43.9)	0.3127	0.329	0.4637
	03, 2_d	0.25	0.25	0.25	71.23	1.0	76.13	3.21	0.06	40.42(=2.1+38.32)	42.53(=2.21+40.32)	46.31(=2.41+43.9)	0.3127	0.329	0.4801
	04, 3_d	0.375	0.375	0.375	73.0	1.77	79.34	3.21	0.128	42.93(=4.61+38.32)	45.17(=4.85+40.32)	49.18(=5.28+43.9)	0.3127	0.329	0.5098
	05, 4_d	0.5	0.5	0.5	75.66	2.66	82.55	3.21	0.232	46.9(=8.58+38.32)	49.34(=9.02+40.32)	53.72(=9.82+43.9)	0.3127	0.329	0.557
	06, 5_d	0.625	0.625	0.625	79.28	3.62	85.77	3.21	0.373	52.67(=14.35+38.32)	55.42(=15.1+40.32)	60.34(=16.44+43.9)	0.3127	0.329	0.6256
	07, 6_d	0.75	0.75	0.75	83.83	4.55	88.98	3.21	0.55	60.58(=22.26+38.32)	63.75(=23.43+40.32)	69.41(=25.51+43.9)	0.3127	0.329	0.7195
	08, 7_d	0.875	0.875	0.875	89.25	5.41	92.2	3.21	0.76	70.98(=32.66+38.32)	74.69(=34.37+40.32)	81.32(=37.42+43.9)	0.3127	0.329	0.843
	09, 8_d	1.0	1.0	1.0	95.41	6.16	95.41	3.21	1.0	84.2(=45.88+38.32)	88.59(=48.27+40.32)	96.46(=52.56+43.9)	0.3127	0.329	1.0
	10, N_d	0.0	0.0	0.0	69.7		69.7			38.32(=0.0+38.32)	40.32(=0.0+40.32)	43.9(=0.0+43.9)	0.3127	0.329	0.4551
11, W_d	1.0	1.0	1.0	95.41	25.71	95.41	25.71		84.2(=45.88+38.32)	88.59(=48.27+40.32)	96.46(=52.56+43.9)	0.3127	0.329	1.0	