

Farbmetrische "Adaptierte Daten (b)": Fernseh-Lichtfarben-System TLS00b für Helligkeit $L^*=00$ von Schwarz und für Lichtart D65

System TLS00b

D65-Reflexion:

$Y_N = 0.0$

$L^*_N = 0.0$

Farbe i	r^*_{ad}	g^*_{ad}	b^*_{ad}	L^*_{red}	ΔL^*_{red}	L^*_{lid}	ΔL^*_{lid}	w_d	X_{ad}	Y_{ad}	Z_{ad}	x_{ad}	y_{ad}	$Y_{ad}/88.59$
01,0 _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
02,1 _d	0.125	0.125	0.125	11.93	11.94	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	11.93	71.56	11.92	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	11.93	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	95.4	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	95.4	0.01	95.4	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
11,W _d	1.0	1.0	1.0	95.41	95.4	95.41	95.4	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

Berechnete farbmetrische Daten (b): Fernseh-Lichtfarben-Systeme TLS18b für Helligkeit $L^*=18$ von Schwarz und für Lichtart D65

D65-Reflexion:

$Y_N = 2.52$

$L^*_N = 18.01$

Farbe i	r^*_{ad}	g^*_{ad}	b^*_{ad}	L^*_{red}	ΔL^*_{red}	L^*_{lid}	ΔL^*_{lid}	w_d	X_{ad}	Y_{ad}	Z_{ad}	x_{ad}	y_{ad}	$Y_{ad}/88.59$
01,0 _d	0.0	0.0	0.0	18.01	5.24	18.01	9.67	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
02,1 _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	72.46	11.44	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	83.82	11.55	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(-93.73+2.74)	0.3127	0.329	1.0
10,N _d	0.0	0.0	0.0	18.01	18.01	18.01	9.67	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
11,W _d	1.0	1.0	1.0	95.41	77.4	95.41	77.4	1.0	84.2(-81.8+2.4)	88.59(-86.07+2.52)	96.46(-93.73+2.74)	0.3127	0.329	1.0

Berechnete farbmetrische Daten (b): Fernseh-Lichtfarben-Systeme TLS70b für Helligkeit $L^*=70$ von Schwarz und für Lichtart D65

D65-Reflexion:

$Y_N = 40.32$

$L^*_N = 69.7$

Farbe i	r^*_{ad}	g^*_{ad}	b^*_{ad}	L^*_{red}	ΔL^*_{red}	L^*_{lid}	ΔL^*_{lid}	w_d	X_{ad}	Y_{ad}	Z_{ad}	x_{ad}	y_{ad}	$Y_{ad}/88.59$
01,0 _d	0.0	0.0	0.0	69.7	69.7	69.7	3.21	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
02,1 _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+38.32)	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	4.55	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	88.98	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	69.7	3.21	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
11,W _d	1.0	1.0	1.0	95.41	25.71	95.41	25.71	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

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