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

System TLS00	Colour	r_d	g_d	b_d	L^*_d	$C_{AB,d}$	$h_{AB,d}$	A_d	B_d	X_d	Y_d	Z_d	x_d	y_d	Y_d/88.59
WCGa	R_d	1.0	0.0	0.0	67.27	64.23	34	52.94	36.37	55.29	36.99	0.67	0.5948	0.398	0.4175
	Y_d	1.0	1.0	0.0	88.28	71.68	92	−2.93	71.62	67.94	72.65	1.13	0.4794	0.5127	0.82
***L*ABCh*AB**	C_d	0.0	1.0	0.0	80.67	100.17	153	−89.14	45.67	21.11	57.87	13.29	0.2288	0.6272	0.6532
D65 reflection:	C_d	0.0	1.0	1.0	77.04	64.24	214	−52.95	−36.35	28.91	51.6	95.79	0.164	0.2927	0.5824
	B_d	0.0	0.0	1.0	46.89	71.67	272	2.94	−71.6	16.27	15.94	95.34	0.1275	0.125	0.1799
Y_N **= 0.01**	M_d	1.0	0.0	1.0	62.27	100.14	333	89.13	−45.65	63.08	30.72	83.18	0.3564	0.1736	0.3467
L^*_d **= 0.08**	$N0_d$	0.0	0.0	0.0	0.08	0.0	0	0.0	0.0	0.01	0.01	0.01	0.3321	0.3321	0.0001
Normalization:	$W0_d$	1.0	1.0	1.0	95.41	0.0	0	0.0	0.0	84.21	88.6	96.49	0.3127	0.329	1.0
	$N1_d$	0.0	0.0	0.0	0.08	0.0	0	0.0	0.0	0.01	0.01	0.01	0.3321	0.3321	0.0001
white Y_W=89	$W1_d$	1.13	1.13	1.13	100.0	0.56	91	0.0	0.56	95.06	100.01	108.3	0.3133	0.3297	1.1288
	$Z1_d$	0.18	0.18	0.18	49.49	0.1	83	0.01	0.1	17.11	17.99	19.49	0.3134	0.3296	0.2031

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

System TLS00a	Colour	r_d	g_d	b_d	L^*_d	$C_{AB,d}$	$h_{AB,d}$	A_d	B_d	X_d	Y_d	Z_d	x_d	y_d	Y_d/88.59
WCGa	R_d	1.0	0.0	0.0	67.27	64.23	34	52.94	36.37	55.29	36.99	0.67	0.5948	0.398	0.4175
	Y_d	1.0	1.0	0.0	88.28	71.68	92	−2.93	71.62	67.94	72.65	1.13	0.4794	0.5127	0.82
***L*ABCh*AB**	C_d	0.0	1.0	0.0	80.67	100.17	153	−89.14	45.67	21.11	57.87	13.29	0.2288	0.6272	0.6532
D65 reflection:	C_d	0.0	1.0	1.0	77.04	64.24	214	−52.95	−36.35	28.91	51.6	95.79	0.164	0.2927	0.5824
	B_d	0.0	0.0	1.0	46.89	71.67	272	2.94	−71.6	16.27	15.94	95.34	0.1275	0.125	0.1799
Y_N **= 0.01**	M_d	1.0	0.0	1.0	62.27	100.14	333	89.13	−45.65	63.08	30.72	83.18	0.3564	0.1736	0.3467
L^*_d **= 0.08**	$N0_d$	0.0	0.0	0.0	0.08	0.0	0	0.0	0.0	0.01	0.01	0.01	0.3321	0.3321	0.0001
Normalization:	$W0_d$	1.0	1.0	1.0	95.41	0.0	0	0.0	0.0	84.21	88.6	96.49	0.3127	0.329	1.0
	$N1_d$	0.0	0.0	0.0	0.08	0.0	0	0.0	0.0	0.01	0.01	0.01	0.3321	0.3321	0.0001
white Y_W=89	$W1_d$	1.13	1.13	1.13	100.0	0.56	91	0.0	0.56	95.06	100.01	108.3	0.3133	0.3297	1.1288
	$Z1_d$	0.18	0.18	0.18	49.49	0.1	83	0.01	0.1	17.11	17.99	19.49	0.3134	0.3296	0.2031

Colorimetric "Adapted data (b)": Television Luminous System TLS00b for CIE lightness L^*=00b of black and for CIE standard illuminant D65

System TLS00b	Colour	r_d	g_d	b_d	L^*_d	$C_{AB,d}$	$h_{AB,d}$	A_d	B_d	X_d	Y_d	Z_d	x_d	y_d	Y_d/88.59
WCGa	R_d	1.0	0.0	0.0	67.27	64.23	34	52.94	36.37	55.29(=55.28+0.01)	36.99(=36.98+0.01)	0.67(=0.66+0.01)	55.2864	36.9905	0.4175
	Y_d	1.0	1.0	0.0	88.28	71.68	92	−2.93	71.62	67.94(=67.93+0.01)	72.65(=72.64+0.01)	1.13(=1.11+0.01)	67.9385	72.652	0.82
***L*ABCh*AB**	C_d	0.0	1.0	0.0	80.67	100.17	153	−89.14	45.67	21.11(=21.1+0.01)	57.87(=57.86+0.01)	13.29(=13.28+0.01)	21.1134	57.8735	0.6532
D65 reflection:	C_d	0.0	1.0	1.0	77.04	64.24	214	−52.95	−36.35	28.91(=28.9+0.01)	51.6(=51.59+0.01)	95.79(=95.78+0.01)	28.9102	51.6006	0.5824
Y_N **= 0.0**	B_d	0.0	0.0	1.0	46.89	71.67	272	2.94	−71.6	16.27(=16.26+0.01)	15.94(=15.93+0.01)	95.34(=95.33+0.01)	16.267	15.9391	0.1799
L^*_d **= 0.0**	M_d	1.0	0.0	1.0	62.27	100.14	333	89.13	−45.65	63.08(=63.07+0.01)	30.72(=30.71+0.01)	83.18(=83.17+0.01)	63.0832	30.7176	0.3467
Normalization:	$N0_d$	0.0	0.0	0.0	0.08	0.0	0	0.0	0.0	0.01(=0.0+0.01)	0.01(=0.0+0.01)	0.01(=0.0+0.01)	0.0089	0.0089	0.0001
	$W0_d$	1.0	1.0	1.0	95.41	0.0	0	0.0	0.0	84.21(=84.2+0.01)	88.6(=88.59+0.01)	96.49(=96.47+0.01)	84.2143	88.6	1.0
	$N1_d$	0.0	0.0	0.0	0.08	0.0	0	0.0	0.0	0.01(=0.0+0.01)	0.01(=0.0+0.01)	0.01(=0.0+0.01)	0.0089	0.0089	0.0001
white Y_W=89	$W1_d$	1.13	1.13	1.13	100.0	0.56	91	0.0	0.56	95.06(=95.05+0.01)	100.01(=100.0+0.01)	108.3(=108.29+0.01)	95.0589	100.012	1.1288
	$Z1_d$	0.18	0.18	0.18	49.49	0.1	83	0.01	0.1	17.11(=17.1+0.01)	17.99(=17.98+0.01)	19.49(=19.48+0.01)	17.1087	17.9947	0.2031

Test chart AEK5; 8 basic colors *RYGCBMNW*$_d$ for *TLS00 .. TLS70* input: *rgb/cmy0/000n/w*
Calculation of *L*ABCh*AB data for Ostw display for 8 reflections for normalization white Y_W=89