

Farbmetrische "Norm-Daten": Fernseh-Lichtfarben-System TLS18 für Helligkeit $L^*_N=18$ von Schwarz für Lichtart D65															
System TLS18	Farbe	$r=olv*_1$	$g=olv*_2$	$b=olv*_3$	L^*	a^*	b^*	C^*_{ab}	h_{ab}	$X=XYZ_1$	$Y=XYZ_2$	$Z=XYZ_3$	x	y	Y/88.59
sRGB-System	O (R)	1.0	0.0	0.0	52.76	71.63	49.88	87.29	35	37.89	20.83	4.41	0.6003	0.3299	0.2351
	Y	1.0	1.0	0.0	92.74	-20.03	84.97	87.3	103	68.67	82.37	14.66	0.4144	0.4971	0.9298
D65-Reflexion:	L (G)	0.0	1.0	0.0	84.0	-78.99	73.94	108.2	137	33.17	64.07	13.0	0.3009	0.5812	0.7231
	C	0.0	1.0	1.0	87.14	-44.42	-13.12	46.33	196	48.71	70.29	94.77	0.2279	0.3288	0.7934
$Y_N = 2.52$	V (B)	0.0	0.0	1.0	31.9	24.46	-37.38	44.68	303	9.36	7.04	23.5	0.2346	0.1764	0.0795
$L^*_N = 18.01$	M	1.0	0.0	1.0	59.01	89.33	-19.43	91.42	348	53.42	27.04	44.81	0.4265	0.2158	0.3052
	N	0.0	0.0	0.0	18.01	0.0	0.0	0.01	0	2.4	2.52	2.74	0.3127	0.329	0.0284
	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	18.01	0.0	0.0	0.01	0	2.4	2.52	2.74	0.3127	0.329	0.0284
	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

Farbmetrische "Adaptierte Daten (a)": Fernseh-Lichtfarben-System TLS18a für Helligkeit $L^*_N=18$ von Schwarz für Lichtart D65															
System TLS18a	Farbe	$r=olv*_1$	$g=olv*_2$	$b=olv*_3$	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h_{ab,a}$	$X_a=XYZ_{1a}$	$Y_a=XYZ_{2a}$	$Z_a=XYZ_{3a}$	x_a	y_a	$Y_a/88.59$
sRGB-System	O (R)	1.0	0.0	0.0	52.76	71.63	49.88	87.29	35	37.89	20.83	4.41	0.6003	0.3299	0.2351
	Y	1.0	1.0	0.0	92.74	-20.03	84.97	87.3	103	68.67	82.37	14.66	0.4144	0.4971	0.9298
D65-Reflexion:	L (G)	0.0	1.0	0.0	84.0	-78.99	73.94	108.2	137	33.17	64.07	13.0	0.3009	0.5812	0.7231
	C	0.0	1.0	1.0	87.14	-44.42	-13.12	46.33	196	48.71	70.29	94.77	0.2279	0.3288	0.7934
$Y_N = 2.52$	V (B)	0.0	0.0	1.0	31.9	24.46	-37.38	44.68	303	9.36	7.04	23.5	0.2346	0.1764	0.0795
$L^*_N = 18.01$	M	1.0	0.0	1.0	59.01	89.33	-19.43	91.42	348	53.42	27.04	44.81	0.4265	0.2158	0.3052
	N	0.0	0.0	0.0	18.01	0.0	0.0	0.01	0	2.4	2.52	2.74	0.3127	0.329	0.0284
	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	18.01	0.0	0.0	0.01	0	2.4	2.52	2.74	0.3127	0.329	0.0284
	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

Farbmetrische "Adaptierte Daten (a0)": Fernseh-Lichtfarben-System TLS00a0 für Helligkeit $L^*_N=00$ von Schwarz für Lichtart D65															
System TLS00a0	Farbe	$r=olv*_1$	$g=olv*_2$	$b=olv*_3$	L^*_{a0}	a^*_{a0}	b^*_{a0}	$C^*_{ab,a0}$	$h_{ab,a0}$	$X_{a0}=XYZ_{1a0}$	$Y_{a0}=XYZ_{2a0}$	$Z_{a0}=XYZ_{3a0}$	x_{a0}	y_{a0}	$Y_{a0}/88.59$
sRGB-System	O (R)	1.0	0.0	0.0	50.5	76.92	64.55	100.42	40	$36.54=k(37.89-2.4)$	$18.84=k(20.83-2.52)$	$1.71=k(4.41-2.74)$	0.64	0.33	0.2127
	Y	1.0	1.0	0.0	92.66	-20.68	90.75	93.08	103	$68.22=k(68.67-2.4)$	$82.19=k(82.37-2.52)$	$12.27=k(14.66-2.74)$	0.4193	0.5053	0.9278
D65-Reflexion:	L (G)	0.0	1.0	0.0	83.62	-82.74	79.9	115.03	136	$31.68=k(33.17-2.4)$	$63.35=k(64.07-2.52)$	$10.55=k(13.0-2.74)$	0.3	0.6	0.715
	C	0.0	1.0	1.0	86.88	-46.15	-13.54	48.11	196	$47.67=k(48.71-2.4)$	$69.76=k(70.29-2.52)$	$94.72=k(94.77-2.74)$	0.2247	0.3288	0.7874
$Y_N = 0.0$	V (B)	0.0	0.0	1.0	25.72	31.45	-44.28	54.32	305	$7.17=k(9.36-2.4)$	$4.65=k(7.04-2.52)$	$21.37=k(23.5-2.74)$	0.2161	0.1402	0.0525
$L^*_N = 0.0$	M	1.0	0.0	1.0	57.3	94.35	-20.68	96.59	348	$52.52=k(53.42-2.4)$	$25.24=k(27.04-2.52)$	$43.3=k(44.81-2.74)$	0.4339	0.2085	0.2849
	N	0.0	0.0	0.0	0.0	0.0	0.0	0.01	358	$0.0=k(2.4-2.4)$	$0.0=k(2.52-2.52)$	$0.0=k(2.74-2.74)$	0.0	0.0	0.0
$k = 88.59 / (88.59 - 2.52)$ $= 1.029$	W	1.0	1.0	1.0	95.41	0.0	0.0	0.01	0	$84.2=k(84.2-2.4)$	$88.59=k(88.59-2.52)$	$96.46=k(96.46-2.74)$	0.3127	0.329	1.0
	N0	0.0	0.0	0.0	0.0	0.0	0.0	0.01	358	$0.0=k(2.4-2.4)$	$0.0=k(2.52-2.52)$	$0.0=k(2.74-2.74)$	0.0	0.0	0.0
	W1	1.0	1.0	1.0	95.41	0.0	0.0	0.01	0	$84.2=k(84.2-2.4)$	$88.59=k(88.59-2.52)$	$96.46=k(96.46-2.74)$	0.3127	0.329	1.0

$k = 88.59 / (88.59 - 2.52)$
 $= 1.029$