Farbmetrische Daten von Fernseh-Lichtfarben-System TLS18a für Helligkeit L^*_N=18 von Schwarz

System: TLS18a
Monitor: LCD
Reflexion: Y_N = 2.52
L^*_N = 18.01

	Farbe	r=olv*1	g=olv*2	b=olv*3	L^*_a=LAB*1a	a^*_a=LAB*2a	b^*_a=LAB*3a	$C^*_{ab,a}$=LAB*ab,a	$h_{ab,a}$	X_S=XYZ1a	Y_S=XYZ2a	Z_S=XYZ3a	x_a	y_a	Y_a/88.59
00	o00y	1.0	0.0	0.0	55.23	73.6	52.22	90.24	35	41.93	23.16	4.79	0.6001	0.3314	0.2706
01	o13y	1.0	0.125	0.0	55.9	71.56	52.76	88.91	36	42.21	23.82	4.91	0.595	0.3357	0.2783
02	o25y	1.0	0.25	0.0	58.75	63.8	55.0	84.24	41	43.73	26.76	5.49	0.5756	0.3522	0.3126
03	o38y	1.0	0.375	0.0	62.94	52.65	58.41	78.63	48	46.12	31.52	6.38	0.5489	0.3751	0.3683
04	o50y	1.0	0.5	0.0	68.04	39.74	62.19	73.81	57	49.39	38.03	7.7	0.5193	0.3998	0.4443
05	o63y	1.0	0.625	0.0	74.03	25.6	66.82	71.56	69	53.82	46.75	9.4	0.4894	0.4251	0.5463
06	o75y	1.0	0.75	0.0	80.34	11.68	71.52	72.47	81	59.17	57.29	11.52	0.4624	0.4477	0.6695
07	o88y	1.0	0.875	0.0	86.66	−1.41	76.28	76.29	91	65.25	69.32	13.91	0.4395	0.4669	0.81
08	y00l	1.0	1.0	0.0	94.13	−15.45	82.18	83.62	101	73.65	85.58	17.0	0.4179	0.4856	1.0
09	y13l	0.875	1.0	0.0	92.05	−26.66	79.42	83.77	109	64.36	80.82	16.62	0.3978	0.4995	0.9444
10	y25l	0.75	1.0	0.0	90.3	−36.95	77.17	85.56	116	56.83	76.96	16.26	0.3787	0.5129	0.8992
11	y38l	0.625	1.0	0.0	88.66	−47.57	75.14	88.94	122	49.97	73.45	15.9	0.3587	0.5272	0.8583
12	y50l	0.5	1.0	0.0	87.2	−57.76	73.37	93.38	128	43.89	70.41	15.66	0.339	0.5414	0.8228
13	y63l	0.375	1.0	0.0	86.04	−66.5	72.05	98.06	133	39.56	68.07	15.26	0.3219	0.5539	0.7953
14	y75l	0.25	1.0	0.0	85.14	−73.75	70.85	102.28	136	36.13	66.28	15.1	0.3074	0.5641	0.7745
15	y88l	0.125	1.0	0.0	84.55	−78.55	70.13	105.32	138	33.97	65.13	14.97	0.2978	0.571	0.7621
16	l00c	0.0	1.0	0.0	84.4	−79.73	69.93	106.06	139	33.44	64.83	14.94	0.2954	0.5726	0.7575
17	l13c	0.0	1.0	0.125	84.43	−79.35	67.54	104.21	140	33.59	64.89	16.03	0.2933	0.5667	0.7583
18	l25c	0.0	1.0	0.25	84.53	−77.32	58.47	96.94	143	34.3	65.09	20.63	0.2858	0.5423	0.7606
19	l38c	0.0	1.0	0.375	84.79	−74.28	46.53	87.66	148	35.51	65.59	28.04	0.275	0.5079	0.7664
20	l50c	0.0	1.0	0.5	85.14	−70.36	33.63	77.99	154	37.15	66.28	37.95	0.2628	0.4688	0.7745
21	l63c	0.0	1.0	0.625	85.59	−65.45	20.37	68.55	163	39.28	67.17	50.47	0.2503	0.4281	0.7849
22	l75c	0.0	1.0	0.75	86.12	−60.37	7.94	60.9	173	41.66	68.23	64.68	0.2386	0.3909	0.7973
23	l88c	0.0	1.0	0.875	86.68	−55.28	−3.1	55.37	183	44.17	69.36	79.56	0.2288	0.3592	0.8104
24	c00v	0.0	1.0	1.0	87.31	−50.42	−13.13	52.11	195	46.82	70.64	95.22	0.2201	0.3322	0.8255
25	c13v	0.0	0.875	1.0	78.97	−38.61	−24.92	45.97	213	38.74	54.88	91.41	0.2094	0.2966	0.6453
26	c25v	0.0	0.75	1.0	71.54	−26.96	−35.51	44.6	233	32.7	42.98	88.23	0.1995	0.2622	0.5022
27	c38v	0.0	0.675	1.0	63.81	−13.47	−46.76	48.68	254	27.46	32.57	85.31	0.1889	0.2241	0.3806
28	c50v	0.0	0.5	1.0	55.94	1.6	−58.15	58.18	272	22.93	23.85	82.31	0.1782	0.1846	0.2787
29	c63v	0.0	0.375	1.0	48.73	17.48	−69.2	71.39	284	19.81	17.37	80.45	0.1684	0.1477	0.203
30	c75v	0.0	0.25	1.0	42.02	33.64	−79.19	86.05	293	17.37	12.51	78.37	0.1604	0.1156	0.1462
31	c88v	0.0	0.125	1.0	36.88	47.37	−87.26	99.3	298	15.86	9.47	77.33	0.1545	0.0923	0.1107
32	v00m	0.0	0.0	1.0	35.56	50.86	−89.23	102.71	300	15.48	8.78	76.92	0.153	0.0868	0.1026
33	v13m	0.125	0.0	1.0	36.0	51.85	−88.85	102.88	300	15.59	9.01	77.43	0.1561	0.088	0.1053
34	v25m	0.25	0.0	1.0	37.85	54.34	−85.6	101.4	302	17.87	10.0	77.34	0.1698	0.0951	0.1169
35	v38m	0.375	0.0	1.0	40.72	58.32	−81.22	100.0	306	21.11	11.69	78.07	0.1904	0.1054	0.1366
36	v50m	0.5	0.0	1.0	44.04	62.79	−75.77	98.42	310	25.29	13.87	78.46	0.215	0.1179	0.162
37	v63m	0.625	0.0	1.0	47.98	68.34	−69.7	97.62	314	30.98	16.78	79.39	0.2436	0.1319	0.196
38	v75m	0.75	0.0	1.0	52.0	73.48	−63.23	96.95	319	37.46	20.15	80.02	0.2722	0.1464	0.2354
39	v88m	0.875	0.0	1.0	55.97	78.6	−56.96	97.08	324	44.69	23.88	80.78	0.2992	0.1599	0.2791
40	m00o	1.0	0.0	1.0	60.38	84.55	−50.11	98.29	329	53.85	28.54	81.78	0.328	0.1739	0.3335
41	m13o	1.0	0.0	0.875	59.21	82.72	−40.41	92.07	334	51.22	27.25	66.98	0.3522	0.1874	0.3184
42	m25o	1.0	0.0	0.75	58.13	80.61	−29.28	85.76	340	48.71	26.1	52.77	0.3818	0.2046	0.3049
43	m38o	1.0	0.0	0.675	57.08	78.49	−16.28	80.17	348	46.33	25.01	39.21	0.4191	0.2262	0.2922
44	m50o	1.0	0.0	0.5	56.17	76.25	−1.45	76.27	359	44.18	24.08	27.16	0.463	0.2524	0.2814
45	m63o	1.0	0.0	0.375	55.37	74.57	14.15	75.9	11	42.44	23.29	17.57	0.5095	0.2795	0.2721
46	m75o	1.0	0.0	0.25	54.79	73.31	30.79	79.51	23	41.2	22.73	10.34	0.5548	0.306	0.2655
47	m88o	1.0	0.0	0.125	54.41	72.36	46.67	86.1	33	40.37	22.36	5.68	0.5901	0.3269	0.2613
48	o00y	1.0	0.0	0.0	55.23	73.6	52.22	90.24	35	41.93	23.16	4.79	0.6001	0.3314	0.2706
49	n00w	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	0.0294
50	n13w	0.125	0.125	0.125	21.9	−0.17	0.04	0.18	169	3.3	3.49	3.79	0.3122	0.3296	0.0408
51	n25w	0.25	0.25	0.25	33.47	0.0	−0.76	0.77	269	7.37	7.76	8.68	0.3097	0.3259	0.0907
52	n38w	0.375	0.375	0.375	45.12	0.77	−1.94	2.09	292	14.03	14.63	16.83	0.3084	0.3216	0.1709
53	n50w	0.5	0.5	0.5	56.05	1.48	−2.91	3.28	297	23.7	23.96	27.97	0.3079	0.3195	0.28
54	n63w	0.625	0.625	0.625	66.75	1.87	−3.45	3.94	298	35.05	36.31	42.48	0.3079	0.3189	0.4242
55	n75w	0.75	0.75	0.75	76.63	2.12	−3.5	4.1	301	49.16	50.92	59.18	0.3087	0.3197	0.5949
56	n88w	0.875	0.875	0.875	85.68	1.62	−2.88	3.31	299	64.71	67.34	77.0	0.3095	0.3221	0.7868
57	n99w	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	1.0351

n = 88.59 / (88.59 − 1.23) = 1.014

TUB-Prüfvorlage KG43; Bunttonkreis und farbmetrische Daten
Messung von LCD-Display und für Lr = 2,5%

input: *olv* setrgbcolor*
output: *no change compared to input*