

Colorimetric data of Television Luminous System TLS18a for CIE lightness $L^*_N=18$ of black

System:	Color	$r=olv*_1$	$g=olv*_2$	$b=olv*_3$	$L^*_a=LAB^*_1a$	$a^*_a=LAB^*_2a$	$b^*_a=LAB^*_3a$	$C^*_{ab,a}=LAB^*_{ab,a}h_{ab,a}$	$X_a=XYZ1a$	$Y_a=XYZ2a$	$Z_a=XYZ3a$	x_a	y_a	$Y_a/88.59$	
TLS18a	00 o00y	1.0	0.0	0.0	57.78	70.38	55.37	89.55	38	44.55	25.73	5.05	0.5914	0.3416	0.3186
	01 o13y	1.0	0.125	0.0	57.78	70.19	55.35	89.39	38	44.49	25.73	5.05	0.591	0.3419	0.3186
	02 o25y	1.0	0.25	0.0	59.55	65.08	56.89	86.44	41	45.36	27.63	5.38	0.5788	0.3526	0.3421
	03 o38y	1.0	0.375	0.0	63.54	53.49	60.32	80.62	48	47.34	32.24	6.17	0.552	0.376	0.3992
Monitor:	04 o50y	1.0	0.5	0.0	68.76	39.07	64.79	75.65	59	50.29	39.01	7.33	0.5204	0.4037	0.483
	05 o63y	1.0	0.625	0.0	74.51	24.01	69.56	73.59	71	54.01	47.51	8.81	0.4896	0.4306	0.5882
CRT	06 o75y	1.0	0.75	0.0	80.46	9.29	74.48	75.06	83	58.39	57.5	10.54	0.4619	0.4548	0.7119
	07 o88y	1.0	0.875	0.0	86.3	-4.09	79.55	79.65	93	63.38	68.59	12.36	0.4392	0.4752	0.8492
Reflection:	08 y00l	1.0	1.0	0.0	92.03	-17.21	83.82	85.57	102	68.56	80.77	14.63	0.4182	0.4926	1.0
	09 y13l	0.875	1.0	0.0	89.81	-27.69	81.16	85.76	109	59.76	75.89	14.13	0.399	0.5066	0.9395
	10 y25l	0.75	1.0	0.0	87.71	-38.99	78.59	87.74	116	51.65	71.47	13.7	0.3775	0.5224	0.8848
	11 y38l	0.625	1.0	0.0	85.74	-50.61	76.2	91.48	124	44.38	67.47	13.29	0.3546	0.5391	0.8354
	12 y50l	0.5	1.0	0.0	83.93	-62.23	74.0	96.69	130	38.04	63.93	12.92	0.3311	0.5564	0.7915
	13 y63l	0.375	1.0	0.0	82.44	-73.05	72.14	102.68	135	32.95	61.12	12.65	0.3088	0.5727	0.7567
	14 y75l	0.25	1.0	0.0	81.34	-82.0	70.77	108.32	139	29.25	59.09	12.45	0.2902	0.5863	0.7316
	15 y88l	0.125	1.0	0.0	80.74	-87.24	70.01	111.87	141	27.25	57.99	12.34	0.2793	0.5943	0.718
	16 l00c	0.0	1.0	0.0	80.66	-87.94	69.9	112.35	142	27.0	57.86	12.33	0.2778	0.5953	0.7164
	17 l13c	0.0	1.0	0.125	80.65	-87.89	69.58	112.11	142	27.0	57.85	12.45	0.2776	0.5945	0.7162
	18 l25c	0.0	1.0	0.25	80.77	-86.44	63.42	107.22	144	27.49	58.05	15.05	0.2732	0.5771	0.7187
	19 l38c	0.0	1.0	0.375	81.07	-83.07	50.81	97.39	149	28.67	58.6	21.55	0.2635	0.5385	0.7256
	20 l50c	0.0	1.0	0.5	81.53	-78.16	36.11	86.11	155	30.47	59.43	31.33	0.2513	0.4902	0.7358
	21 l63c	0.0	1.0	0.625	82.15	-72.45	21.59	75.61	163	32.76	60.57	43.79	0.2389	0.4417	0.7499
	22 l75c	0.0	1.0	0.75	82.84	-65.93	7.52	66.37	173	35.5	61.86	58.82	0.2273	0.3961	0.7659
	23 l88c	0.0	1.0	0.875	83.64	-59.1	-5.47	59.37	185	38.63	63.38	75.83	0.2172	0.3564	0.7847
	24 c00v	0.0	1.0	1.0	84.57	-52.29	-17.33	55.1	198	42.11	65.16	94.43	0.2088	0.3231	0.8068
	25 c13v	0.0	0.875	1.0	77.85	-40.24	-27.53	48.77	214	36.75	52.95	92.4	0.2018	0.2908	0.6556
	26 c25v	0.0	0.75	1.0	70.75	-26.4	-38.67	46.84	236	31.9	41.82	90.79	0.1939	0.2542	0.5177
	27 c38v	0.0	0.675	1.0	63.14	-10.54	-50.46	51.56	258	27.46	31.75	88.88	0.1855	0.2144	0.3931
	28 c50v	0.0	0.5	1.0	55.34	6.76	-63.02	63.39	276	23.6	23.26	87.61	0.1755	0.173	0.288
	29 c63v	0.0	0.375	1.0	47.62	26.24	-75.82	80.24	289	20.62	16.49	86.89	0.1663	0.133	0.2042
	30 c75v	0.0	0.25	1.0	41.02	44.41	-86.76	97.48	297	18.58	11.87	86.28	0.1591	0.1017	0.147
	31 c88v	0.0	0.125	1.0	37.95	54.02	-92.18	106.85	300	17.89	10.06	86.46	0.1564	0.0879	0.1245
	32 v00m	0.0	0.0	1.0	37.8	53.36	-91.84	106.22	300	17.65	9.98	85.62	0.1558	0.0881	0.1235
	33 v13m	0.125	0.0	1.0	38.1	54.08	-91.83	106.58	300	18.02	10.14	86.33	0.1574	0.0886	0.1256
	34 v25m	0.25	0.0	1.0	40.08	56.08	-88.34	104.64	302	20.08	11.3	86.21	0.1707	0.0961	0.1399
	35 v38m	0.375	0.0	1.0	43.3	59.95	-82.89	102.3	306	23.89	13.36	86.37	0.1933	0.1081	0.1654
	36 v50m	0.5	0.0	1.0	47.3	64.83	-76.4	100.2	310	29.27	16.25	86.93	0.221	0.1227	0.2011
	37 v63m	0.625	0.0	1.0	51.51	68.5	-68.7	97.02	315	35.32	19.71	86.32	0.2499	0.1394	0.244
	38 v75m	0.75	0.0	1.0	55.92	73.47	-61.49	95.81	320	42.88	23.84	86.88	0.2792	0.1552	0.2951
	39 v88m	0.875	0.0	1.0	60.22	77.8	-54.05	94.74	325	51.02	28.37	86.84	0.3069	0.1707	0.3513
	40 m00o	1.0	0.0	1.0	64.35	82.37	-47.28	94.98	330	59.91	33.24	87.34	0.332	0.1842	0.4115
	41 m13o	1.0	0.0	0.875	62.92	80.11	-35.51	87.63	336	56.44	31.49	68.75	0.3602	0.201	0.3899
	42 m25o	1.0	0.0	0.75	61.64	77.77	-22.22	80.88	344	53.33	29.98	51.75	0.3949	0.222	0.3712
	43 m38o	1.0	0.0	0.675	60.46	75.6	-7.31	75.95	354	50.57	28.64	36.67	0.4364	0.2471	0.3545
	44 m50o	1.0	0.0	0.5	59.45	78.58	6.01	78.81	4	50.05	27.51	25.99	0.4833	0.2657	0.3407
	45 m63o	1.0	0.0	0.375	58.62	71.99	26.92	76.86	21	46.37	26.62	14.33	0.5311	0.3048	0.3295
	46 m75o	1.0	0.0	0.25	58.07	70.92	44.66	83.81	32	45.17	26.04	7.8	0.5717	0.3296	0.3224
	47 m88o	1.0	0.0	0.125	57.85	70.52	54.9	89.38	38	44.71	25.81	5.17	0.5907	0.341	0.3195
	48 o00y	1.0	0.0	0.0	57.78	70.38	55.37	89.55	38	44.55	25.73	5.05	0.5914	0.3416	0.3186
	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	0.0312
	50 n13w	0.125	0.125	0.125	18.91	1.99	0.65	2.1	18	2.7	2.73	2.87	0.3249	0.3287	0.0338
	51 n25w	0.25	0.25	0.25	29.31	4.9	2.18	5.36	24	6.1	5.96	5.96	0.3385	0.3307	0.0738
	52 n38w	0.375	0.375	0.375	43.3	3.64	2.35	4.33	33	13.25	13.36	13.56	0.3298	0.3326	0.1654
	53 n50w	0.5	0.5	0.5	56.02	2.49	1.85	3.1	37	23.3	23.93	24.91	0.3229	0.3317	0.2963
	54 n63w	0.625	0.625	0.625	67.41	1.59	1.52	2.2	44	35.8	37.17	39.2	0.3192	0.3314	0.4602
	55 n75w	0.75	0.75	0.75	77.67	0.96	0.9	1.31	43	50.4	52.66	56.68	0.3161	0.3303	0.6519
	56 n88w	0.875	0.875	0.875	86.93	0.63	0.32	0.71	27	60.68	69.86	75.36	0.3142	0.3292	0.865
	57 n99w	1.0	1.0	1.0	95.41	0.0	0.0	0.01	85	84.2	88.59	96.46	0.3127	0.329	1.0968

$n = 88.59 / (88.59 - 0.05) = 1.001$

See original or copy: <http://web.me.com/klaus.richter/KE47/KE47LONA.TXT> /PS
Technical information: <http://www.ps.bam.de> or <http://130.149.60.45/~farbmetrik>

TUB registration: 20100601-KE47/KE47LONA.TXT /PS
application for measurement of printer or monitor systems

TUB material: code=rh4ta

TUB-test chart KE47; Hue circle and colorimetric data
Measurement of CRT display and for $L_r = 2,5\%$

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