

Colorimetric data of Television Luminous System TLS00a for CIE lightness $L^*_N=00$ of black

System:

TLS00a

Monitor:

CRT

Reflection:

 $Y_N = 0.0$ $L^*_N = 0.0$

Color	$r=olv*_1$	$g=olv*_2$	$b=olv*_3$	$L^*_a=LAB^*_1a$	$a^*_a=LAB^*_2a$	$b^*_a=LAB^*_3a$	$C^*_{ab,a}=LAB^*_{ab,a}$	$h_{ab,a}$	$X_a=XYZ^*_1a$	$Y_a=XYZ^*_2a$	$Z_a=XYZ^*_3a$	x_a	y_a	$Y_a/88.59$
00 o00y	1.0	0.0	0.0	55.98	74.75	68.26	101.23	42	43.39	23.89	2.37	0.623	0.343	0.2966
01 o13y	1.0	0.125	0.0	55.98	74.55	68.22	101.06	42	43.32	23.89	2.37	0.6226	0.3433	0.2966
02 o25y	1.0	0.25	0.0	57.89	68.96	69.01	97.56	45	44.22	25.85	2.71	0.6076	0.3551	0.3209
03 o38y	1.0	0.375	0.0	62.16	56.4	71.0	90.68	52	46.26	30.59	3.53	0.5755	0.3806	0.3798
04 o50y	1.0	0.5	0.0	67.7	40.98	74.05	84.63	61	49.3	37.56	4.72	0.5383	0.4102	0.4664
05 o63y	1.0	0.625	0.0	73.74	25.06	77.62	81.56	72	53.13	46.31	6.24	0.5028	0.4382	0.575
06 o75y	1.0	0.75	0.0	79.95	9.65	81.58	82.15	83	57.64	56.59	8.02	0.4715	0.4629	0.7026
07 o88y	1.0	0.875	0.0	86.01	-4.23	85.96	86.06	93	62.77	68.0	9.89	0.4463	0.4834	0.8443
08 y00l	1.0	1.0	0.0	91.93	-17.77	89.58	91.32	101	68.1	80.54	12.23	0.4233	0.5006	1.0
09 y13l	0.875	1.0	0.0	89.63	-28.66	86.98	91.58	108	59.05	75.51	11.72	0.4036	0.5162	0.9376
10 y25l	0.75	1.0	0.0	87.47	-40.47	84.47	93.67	116	50.7	70.96	11.28	0.3814	0.5338	0.8811
11 y38l	0.625	1.0	0.0	85.43	-52.7	82.13	97.59	123	43.22	66.85	10.86	0.3574	0.5528	0.8301
12 y50l	0.5	1.0	0.0	83.55	-65.02	79.98	103.08	129	36.69	63.2	10.48	0.3324	0.5727	0.7847
13 y63l	0.375	1.0	0.0	82.01	-76.6	78.16	109.44	134	31.45	60.32	10.2	0.3085	0.5915	0.7489
14 y75l	0.25	1.0	0.0	80.87	-86.25	76.81	115.5	138	27.64	58.23	9.99	0.2883	0.6075	0.723
15 y88l	0.125	1.0	0.0	80.24	-91.95	76.07	119.34	140	25.59	57.1	9.87	0.2764	0.6169	0.7089
16 l00c	0.0	1.0	0.0	80.16	-92.71	75.96	119.86	141	25.33	56.96	9.87	0.2748	0.6181	0.7073
17 l13c	0.0	1.0	0.125	80.15	-92.66	75.58	119.58	141	25.33	56.95	9.99	0.2745	0.6172	0.707
18 l25c	0.0	1.0	0.25	80.27	-91.09	68.34	113.88	143	25.83	57.16	12.67	0.27	0.5976	0.7097
19 l38c	0.0	1.0	0.375	80.59	-87.43	54.07	102.81	148	27.05	57.73	19.36	0.2597	0.5544	0.7167
20 l50c	0.0	1.0	0.5	81.06	-82.13	38.04	90.52	155	28.9	58.58	29.42	0.2472	0.5011	0.7273
21 l63c	0.0	1.0	0.625	81.7	-75.99	22.57	79.28	163	31.26	59.75	42.25	0.2346	0.4484	0.7418
22 l75c	0.0	1.0	0.75	82.42	-69.01	7.82	69.46	174	34.08	61.08	57.72	0.2229	0.3995	0.7584
23 l88c	0.0	1.0	0.875	83.25	-61.74	-5.67	62.02	185	37.3	62.64	75.22	0.2129	0.3576	0.7778
24 c00v	0.0	1.0	1.0	84.21	-54.52	-17.9	57.39	198	40.88	64.48	94.37	0.2047	0.3228	0.8005
25 c13v	0.0	0.875	1.0	77.23	-42.21	-28.52	50.96	214	35.36	51.91	92.28	0.1969	0.2891	0.6445
26 c25v	0.0	0.75	1.0	69.79	-27.93	-40.21	48.97	235	30.37	40.45	90.62	0.1881	0.2505	0.5022
27 c38v	0.0	0.675	1.0	61.73	-11.28	-52.73	53.93	258	25.8	30.09	88.66	0.1785	0.2082	0.3736
28 c50v	0.0	0.5	1.0	53.33	7.35	-66.3	66.72	276	21.82	21.35	87.35	0.1672	0.1635	0.265
29 c63v	0.0	0.375	1.0	44.78	29.15	-80.52	85.64	290	18.76	14.38	86.61	0.1566	0.1201	0.1786
30 c75v	0.0	0.25	1.0	37.17	50.63	-93.18	106.06	299	16.66	9.63	85.98	0.1484	0.0858	0.1195
31 c88v	0.0	0.125	1.0	33.48	62.53	-99.68	117.67	302	15.95	7.76	86.17	0.1452	0.0706	0.0964
32 v00m	0.0	0.0	1.0	33.3	61.86	-99.37	117.06	302	15.7	7.68	85.31	0.1445	0.0706	0.0953
33 v13m	0.125	0.0	1.0	33.66	62.52	-99.27	117.33	302	16.08	7.85	86.04	0.1463	0.0713	0.0974
34 v25m	0.25	0.0	1.0	36.05	63.85	-95.06	114.52	304	18.2	9.03	85.91	0.1609	0.0798	0.1122
35 v38m	0.375	0.0	1.0	39.84	66.87	-88.64	111.04	307	22.12	11.16	86.07	0.1854	0.0935	0.1385
36 v50m	0.5	0.0	1.0	44.42	70.94	-81.16	107.8	311	27.66	14.13	86.65	0.2154	0.11	0.1754
37 v63m	0.625	0.0	1.0	49.12	73.86	-72.6	103.57	315	33.89	17.69	86.02	0.2463	0.1286	0.2197
38 v75m	0.75	0.0	1.0	53.96	78.28	-64.67	101.54	320	41.67	21.94	86.6	0.2774	0.1461	0.2724
39 v88m	0.875	0.0	1.0	58.61	82.16	-56.63	99.79	325	50.04	26.61	86.56	0.3066	0.163	0.3304
40 m00o	1.0	0.0	1.0	63.03	86.39	-49.38	99.51	330	59.2	31.62	87.07	0.3328	0.1777	0.3926
41 m13o	1.0	0.0	0.875	61.5	84.21	-37.28	92.1	336	55.63	29.82	67.94	0.3627	0.1944	0.3702
42 m25o	1.0	0.0	0.75	60.13	81.94	-23.49	85.24	344	52.43	28.26	50.44	0.3998	0.2155	0.3509
43 m38o	1.0	0.0	0.675	58.86	79.83	-7.81	80.21	354	49.59	26.88	34.92	0.4452	0.2413	0.3338
44 m50o	1.0	0.0	0.5	57.78	83.07	6.5	83.33	4	49.05	25.73	23.93	0.4969	0.2606	0.3194
45 m63o	1.0	0.0	0.375	56.88	76.31	29.98	81.98	21	45.26	24.8	11.92	0.5521	0.3025	0.3079
46 m75o	1.0	0.0	0.25	56.29	75.27	52.08	91.53	35	44.03	24.21	5.2	0.5995	0.3296	0.3005
47 m88o	1.0	0.0	0.125	56.06	74.89	67.4	100.75	42	43.55	23.97	2.5	0.622	0.3423	0.2976
48 o00y	1.0	0.0	0.0	55.98	74.75	68.26	101.23	42	43.39	23.89	2.37	0.623	0.343	0.2966
49 n00w	0.0	0.0	0.0	0.0	0.0	0.0	0.01	0	0.0	0.0	0.0	0.0	0.0	0.0
50 n13w	0.125	0.125	0.125	1.92	4.4	1.4	4.62	18	0.31	0.21	0.13	0.4723	0.3244	0.0026
51 n25w	0.25	0.25	0.25	22.09	7.01	3.24	7.72	25	3.81	3.54	3.31	0.3576	0.3319	0.044
52 n38w	0.375	0.375	0.375	39.84	4.21	2.75	5.03	33	11.17	11.16	11.14	0.3338	0.3334	0.1385
53 n50w	0.5	0.5	0.5	54.07	2.7	2.01	3.37	37	21.52	22.04	22.82	0.3242	0.3321	0.2737
54 n63w	0.625	0.625	0.625	66.27	1.69	1.61	2.33	44	34.39	35.67	37.53	0.3196	0.3316	0.4429
55 n75w	0.75	0.75	0.75	77.04	1.0	0.94	1.37	43	49.41	51.61	55.21	0.3163	0.3303	0.6407
56 n88w	0.875	0.875	0.875	86.66	0.65	0.33	0.73	27	66.17	69.32	75.05	0.3143	0.3292	0.8606
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	1.0999

 $n = 88.59 / (88.59 - 0.05) = 1.001$ TUB-test chart KE46; Hue circle and colorimetric data
Measurement of CRT display and for $L_r = 0\%$ input: $olv^* setrgbcolor$
output: no change compared to input