

Colorimetric data of Television Luminous System TLS18a for CIE lightness $L^*_N=18$ of black															
System:	Color	$r=olv*_1$	$g=olv*_2$	$b=olv*_3$	$L^*_a=LAB^*_{1a}$	$a^*_a=LAB^*_{2a}$	$b^*_a=LAB^*_{3a}$	$C^*_{ab,a}=LAB^*_{ab,a}$	$h_{ab,a}$	$X_a=XYZ_{1a}$	$Y_a=XYZ_{2a}$	$Z_a=XYZ_{3a}$	x_a	y_a	$Y_a/88.59$
TLS18a Monitor: LCD	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
Reflection: $Y_N = 2.52$ $L^*_N = 18.01$	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	44.09	70.41	15.56	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	0.761
	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	0.6413
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	23.02	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	15.99	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	23.1	23.96	27.97	0.3079	0.3193	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	
KF430-7N 13/66															
$n = 88.59 / (88.59 - 1.23) = 1.014$															