

Colorimetric data of Television Luminous System TLS70a for CIE lightness $L^*_N=70$ 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	$Y_a/88.59$
TLS70a Monitor: CRT	00 o00y	1.0	0.0	0.0	78.07	28.06	13.01	30.93	25	61.96	53.34	45.19	0.3861	0.3323	0.6334
	01 o13y	1.0	0.125	0.0	78.07	27.98	13.01	30.85	25	61.93	53.34	45.19	0.3859	0.3324	0.6334
	02 o25y	1.0	0.25	0.0	78.7	26.44	13.88	29.86	28	62.42	54.4	45.38	0.3848	0.3354	0.6461
	03 o38y	1.0	0.375	0.0	80.17	22.63	15.94	27.68	35	63.52	56.99	45.82	0.3819	0.3426	0.6768
	04 o50y	1.0	0.5	0.0	82.26	17.38	18.84	25.63	47	65.18	60.79	46.47	0.378	0.3525	0.7219
	05 o63y	1.0	0.625	0.0	84.77	11.25	22.26	24.95	63	67.27	65.55	47.3	0.3735	0.3639	0.7785
	06 o75y	1.0	0.75	0.0	87.56	4.57	26.05	26.45	80	69.72	71.15	48.27	0.3686	0.3762	0.845
	07 o88y	1.0	0.875	0.0	90.49	-2.1	30.04	30.11	94	72.52	77.37	49.29	0.3641	0.3884	0.9189
	08 y00l	1.0	1.0	0.0	93.54	-9.22	33.98	35.21	105	75.43	84.2	50.57	0.3588	0.4006	1.0
	09 y13l	0.875	1.0	0.0	92.34	-14.36	32.19	35.26	114	70.49	81.47	50.29	0.3485	0.4028	0.9675
$Y_N = 40.32$ $L^*_N = 69.7$	10 y25l	0.75	1.0	0.0	91.23	-19.53	30.53	36.25	123	65.94	78.99	50.04	0.3382	0.4051	0.938
	11 y38l	0.625	1.0	0.0	90.2	-24.44	29.0	37.93	130	61.87	76.75	49.82	0.3283	0.4073	0.9114
	12 y50l	0.5	1.0	0.0	89.28	-28.92	27.62	39.99	136	58.31	74.76	49.61	0.3192	0.4092	0.8878
	13 y63l	0.375	1.0	0.0	88.54	-32.76	26.49	42.14	141	55.46	73.18	49.46	0.3114	0.4109	0.8691
	14 y75l	0.25	1.0	0.0	87.99	-35.69	25.67	43.98	144	53.38	72.05	49.34	0.3054	0.4122	0.8556
	15 y88l	0.125	1.0	0.0	87.69	-37.32	25.23	45.05	146	52.26	71.43	49.28	0.3021	0.413	0.8483
	16 l00c	0.0	1.0	0.0	87.66	-37.53	25.17	45.2	146	52.12	71.36	49.28	0.3017	0.4131	0.8474
	17 l13c	0.0	1.0	0.125	87.65	-37.51	25.09	45.13	146	52.12	71.35	49.34	0.3016	0.4129	0.8473
	18 l25c	0.0	1.0	0.25	87.71	-37.04	23.69	43.98	147	52.39	71.46	50.8	0.3	0.4092	0.8487
	19 l38c	0.0	1.0	0.375	87.86	-35.96	20.32	41.31	151	53.06	71.77	54.45	0.2959	0.4003	0.8524
Reflection:	20 l50c	0.0	1.0	0.5	88.08	-34.33	15.54	37.69	156	54.07	72.24	59.93	0.2903	0.3879	0.8579
	21 l63c	0.0	1.0	0.625	88.39	-32.39	9.93	33.89	163	55.35	72.87	66.92	0.2836	0.3734	0.8655
	22 l75c	0.0	1.0	0.75	88.73	-30.05	3.67	30.28	173	56.89	73.6	75.35	0.2764	0.3576	0.8741
	23 l88c	0.0	1.0	0.875	89.14	-27.49	-2.8	27.65	186	58.64	74.45	84.89	0.269	0.3416	0.8842
	24 c00v	0.0	1.0	1.0	89.6	-24.84	-9.24	26.52	200	60.59	75.45	95.32	0.2619	0.3261	0.8961
	25 c13v	0.0	0.875	1.0	86.31	-17.87	-14.16	22.81	218	57.59	68.6	94.18	0.2613	0.3113	0.8147
	26 c25v	0.0	0.75	1.0	83.1	-10.83	-19.07	21.94	240	54.87	62.36	93.28	0.2607	0.2962	0.7406
	27 c38v	0.0	0.675	1.0	80.02	-3.92	-23.66	23.99	261	52.38	56.72	92.21	0.2602	0.2817	0.6735
	28 c50v	0.0	0.5	1.0	77.25	2.26	-27.95	28.05	275	50.21	51.95	91.5	0.2593	0.2683	0.617
	29 c63v	0.0	0.375	1.0	74.92	7.76	-31.68	32.63	284	48.54	48.16	91.09	0.2585	0.2564	0.5719
Reflection:	30 c75v	0.0	0.25	1.0	73.26	11.75	-34.3	36.27	289	47.39	45.57	90.75	0.258	0.248	0.5411
	31 c88v	0.0	0.125	1.0	72.59	13.56	-35.53	38.04	291	47.01	44.55	90.85	0.2577	0.2442	0.5291
	32 v00m	0.0	0.0	1.0	72.56	13.31	-35.26	37.7	291	46.87	44.5	90.38	0.2579	0.2448	0.5285
	33 v13m	0.125	0.0	1.0	72.62	13.63	-35.43	37.97	291	47.08	44.59	90.78	0.2581	0.2444	0.5296
	34 v25m	0.25	0.0	1.0	73.05	15.0	-34.65	37.76	293	48.24	45.24	90.71	0.2619	0.2456	0.5373
	35 v38m	0.375	0.0	1.0	73.8	17.56	-33.41	37.75	298	50.37	46.4	90.8	0.2686	0.2474	0.551
	36 v50m	0.5	0.0	1.0	74.84	21.03	-31.84	38.17	303	53.39	48.02	91.11	0.2773	0.2494	0.5703
	37 v63m	0.625	0.0	1.0	76.05	24.38	-29.52	38.3	310	56.79	49.96	90.77	0.2875	0.2529	0.5933
	38 v75m	0.75	0.0	1.0	77.44	28.58	-27.33	39.55	316	61.02	52.27	91.08	0.2986	0.2558	0.6208
	39 v88m	0.875	0.0	1.0	78.94	32.64	-24.74	40.96	323	65.59	54.82	91.06	0.3101	0.2592	0.651
Reflection:	40 m00o	1.0	0.0	1.0	80.49	36.89	-22.26	43.09	329	70.58	57.55	91.34	0.3216	0.2622	0.6834
	41 m13o	1.0	0.0	0.875	79.94	35.07	-15.75	38.44	336	68.63	56.57	80.92	0.333	0.2744	0.6718
	42 m25o	1.0	0.0	0.75	79.45	33.31	-9.16	34.55	345	66.89	55.72	71.39	0.3448	0.2872	0.6617
	43 m38o	1.0	0.0	0.675	79.02	31.71	-2.75	31.83	355	65.34	54.97	62.93	0.3566	0.3	0.6528
	44 m50o	1.0	0.0	0.5	78.66	32.63	2.07	32.69	4	65.05	54.34	56.94	0.3689	0.3082	0.6453
	45 m63o	1.0	0.0	0.375	78.36	29.17	7.99	30.25	15	62.98	53.83	50.4	0.3767	0.322	0.6393
	46 m75o	1.0	0.0	0.25	78.17	28.44	11.5	30.68	22	62.31	53.51	46.73	0.3833	0.3292	0.6355
	47 m88o	1.0	0.0	0.125	78.1	28.16	12.97	31.0	25	62.05	53.38	45.26	0.3861	0.3322	0.6339
	48 o00y	1.0	0.0	0.0	78.07	28.06	13.01	30.93	25	61.96	53.34	45.19	0.3861	0.3323	0.6334
	49 n00w	0.0	0.0	0.0	69.7	0.0	0.0	0.01	0	38.32	40.32	43.9	0.3127	0.329	0.4788
Reflection:	50 n13w	0.125	0.125	0.125	69.78	0.19	0.06	0.2	18	38.49	40.44	43.97	0.3132	0.329	0.4802
	51 n25w	0.25	0.25	0.25	71.04	0.76	0.32	0.83	23	40.4	42.25	45.71	0.3147	0.3292	0.5017
	52 n38w	0.375	0.375	0.375	73.8	0.9	0.56	1.06	32	44.41	46.4	49.97	0.3154	0.3296	0.551
	53 n50w	0.5	0.5	0.5	77.48	0.83	0.61	1.03	36	50.04	52.33	56.33	0.3153	0.3297	0.6215
	54 n63w	0.625	0.625	0.625	81.7	0.65	0.62	0.9	43	57.06	59.75	64.35	0.3149	0.3298	0.7096
	55 n75w	0.75	0.75	0.75	86.23	0.45	0.42	0.62	43	65.24	68.44	73.98	0.3142	0.3296	0.8128
	56 n88w	0.875	0.875	0.875	90.82	0.33	0.17	0.37	27	74.37	78.09	84.79	0.3135	0.3291	0.9274
	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	1.0521
	$n = 88.59 / (88.59 - 0.05) = 1.001$														