

se liggende filer: <http://farbe.li.tu-berlin.de/AN90/AN90.HTM>  
 teknisk informasjon: <http://www.ps.bam.de> eller <http://130.149.60.45/~farbmetrik>

TUB registrering: 20160501-AN90/AN90LONA.TXT /.PS  
 anvendelse for måling av display output  
 TUB-materiell: code=rh4ta

**Colorimetric data of "Standard Original": Television Reflective System TRS18 for CIE lightness L\*=18 of black**

System TRS18	Color	L*=LAB* <sub>1</sub>	a*=LAB* <sub>2</sub>	b*=LAB* <sub>3</sub>	C* <sub>r</sub> =LAB* <sub>r</sub>	X=XYZ <sub>1</sub>	Y=XYZ <sub>2</sub>	Z=XYZ <sub>3</sub>	x	y	Y/88.59
(Reflective CIE, Y <sub>N</sub> =2.52 and CIELAB zero point)	C <sub>d</sub>	87.14	-44.42	-13.12	46.33	48.72	70.29	94.79	0.2279	0.3288	0.7934
	B <sub>d</sub>	35.47	64.92	-95.07	115.13	17.93	8.74	84.55	0.1612	0.0785	0.0986
(CIELAB according to ISO/IEC 15775)	M <sub>d</sub>	59.01	89.33	-19.43	91.42	53.43	27.04	44.82	0.4265	0.2158	0.3052
	R <sub>d</sub>	52.76	71.63	49.88	87.29	37.9	20.83	4.41	0.6003	0.3299	0.2351
	Y <sub>d</sub>	92.74	-20.03	84.97	87.3	68.68	82.37	14.66	0.4144	0.4971	0.9298
	G <sub>d</sub>	84.0	-78.99	73.94	108.2	33.17	64.07	13.0	0.3009	0.5812	0.7231
	N <sub>d</sub>	18.01	0.0	0.0	0.0	2.4	2.52	2.74	0.3127	0.329	0.0284
	W <sub>d</sub>	95.41	0.0	0.0	0.0	84.21	88.59	96.48	0.3127	0.329	1.0
	NO <sub>d</sub>	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.3127	0.329	0.0
	WI <sub>d</sub>	100.0	0.0	0.0	0.01	95.05	100.0	108.9	0.3127	0.329	1.1288

**Colorimetric data: Television Reflective System TRS18 for CIE lightness L\*=18 of black**

System TRS18	Color	L*=LAB* <sub>1</sub>	a*=LAB* <sub>2</sub>	b*=LAB* <sub>3</sub>	C* <sub>r</sub> =LAB* <sub>r</sub>	X=XYZ <sub>1</sub>	Y=XYZ <sub>2</sub>	Z=XYZ <sub>3</sub>	x	y	Y/88.59
(Reflection adapted and CIELAB zero point)	C <sub>d</sub>	87.14	-44.42	-13.12	46.33	48.72	70.29	94.79	0.2279	0.3288	0.7934
	B <sub>d</sub>	35.47	64.92	-95.07	115.13	17.93	8.74	84.55	0.1612	0.0785	0.0986
	M <sub>d</sub>	59.01	89.33	-19.43	91.42	53.43	27.04	44.82	0.4265	0.2158	0.3052
	R <sub>d</sub>	52.76	71.63	49.88	87.29	37.9	20.83	4.41	0.6003	0.3299	0.2351
	Y <sub>d</sub>	92.74	-20.03	84.97	87.3	68.68	82.37	14.66	0.4144	0.4971	0.9298
	G <sub>d</sub>	84.0	-78.99	73.94	108.2	33.17	64.07	13.0	0.3009	0.5812	0.7231
	N <sub>d</sub>	18.01	0.0	0.0	0.0	2.4	2.52	2.74	0.3127	0.329	0.0284
	W <sub>d</sub>	95.41	0.0	0.0	0.0	84.21	88.59	96.48	0.3127	0.329	1.0
	NO <sub>d</sub>	0.01	0.0	0.0	0.0	0.0	0.0	0.0	0.3037	0.3195	0.0
	WI <sub>d</sub>	100.0	0.0	0.0	0.0	95.05	100.0	108.9	0.3127	0.329	1.1288

**Calculated colorimetric data: Television Luminous System (TLSxx) for CIE lightness L\*=xx=00, 18 of black**

System TLS00	Color	L*=LAB* <sub>1</sub>	a*=LAB* <sub>2</sub>	b*=LAB* <sub>3</sub>	C* <sub>r</sub> =LAB* <sub>r</sub>	X=XYZ <sub>1</sub>	Y=XYZ <sub>2</sub>	Z=XYZ <sub>3</sub>	x	y	Y/88.59
(Display reflection Y <sub>r</sub> =0.0)	C <sub>d</sub>	86.88	-46.15	-13.54	48.11	47.68 (=47.68+0.0)	69.76 (=69.76+0.0)	94.74 (=94.74+0.0)	0.2247	0.3288	0.7874
	B <sub>d</sub>	30.39	76.06	-103.57	128.51	15.99 (=15.99+0.0)	6.4 (=6.4+0.0)	84.2 (=84.2+0.0)	0.15	0.06	0.0722
	M <sub>d</sub>	57.31	94.35	-20.68	96.59	52.53 (=52.53+0.0)	25.24 (=25.24+0.0)	43.31 (=43.31+0.0)	0.4339	0.2084	0.2849
	R <sub>d</sub>	50.5	76.91	64.55	100.41	36.54 (=36.54+0.0)	18.84 (=18.84+0.0)	1.71 (=1.71+0.0)	0.64	0.33	0.2127
	Y <sub>d</sub>	92.66	-20.68	90.75	93.08	68.22 (=68.22+0.0)	82.19 (=82.19+0.0)	12.27 (=12.27+0.0)	0.4194	0.5052	0.9278
	G <sub>d</sub>	83.62	-82.74	79.9	115.03	31.68 (=31.68+0.0)	63.35 (=63.35+0.0)	10.55 (=10.55+0.0)	0.3	0.6	0.715
	N <sub>d</sub>	0.0	0.0	0.0	0.0	0.0 (=0.0+0.0)	0.0 (=0.0+0.0)	0.0 (=0.0+0.0)	0.2789	0.2934	0.0
	W <sub>d</sub>	95.41	0.0	0.0	0.0	84.21 (=84.21+0.0)	88.59 (=88.59+0.0)	96.48 (=96.48+0.0)	0.3127	0.329	1.0
	NO <sub>d</sub>	0.0	0.0	0.0	0.0	-2.45 (= -2.45+0.0)	-2.58 (= -2.58+0.0)	-2.81 (= -2.81+0.0)	0.3127	0.329	-0.0292
	WI <sub>d</sub>	100.13	0.0	0.0	0.0	95.37 (=95.37+0.0)	100.33 (=100.33+0.0)	109.26 (=109.26+0.0)	0.3127	0.329	1.1325

System TLS18	Color	L*=LAB* <sub>1</sub>	a*=LAB* <sub>2</sub>	b*=LAB* <sub>3</sub>	C* <sub>r</sub> =LAB* <sub>r</sub>	X=XYZ <sub>1</sub>	Y=XYZ <sub>2</sub>	Z=XYZ <sub>3</sub>	x	y	Y/88.59
(Display reflection Y <sub>r</sub> =2.52)	C <sub>d</sub>	87.14	-44.42	-13.12	46.33	48.72 (=46.32+2.4)	70.29 (=67.77+2.52)	94.79 (=92.04+2.74)	0.2279	0.3288	0.7934
	B <sub>d</sub>	35.47	64.92	-95.07	115.13	17.93 (=15.54+2.4)	8.74 (=6.22+2.52)	84.55 (=81.81+2.74)	0.1612	0.0785	0.0986
	M <sub>d</sub>	59.01	89.33	-19.43	91.42	53.43 (=51.03+2.4)	27.04 (=24.52+2.52)	44.82 (=42.07+2.74)	0.4265	0.2158	0.3052
	R <sub>d</sub>	52.76	71.63	49.88	87.29	37.9 (=35.5+2.4)	20.83 (=18.31+2.52)	4.41 (=1.66+2.74)	0.6003	0.3299	0.2351
	Y <sub>d</sub>	92.74	-20.03	84.97	87.3	68.68 (=66.28+2.4)	82.37 (=79.85+2.52)	14.66 (=11.92+2.74)	0.4144	0.4971	0.9298
	G <sub>d</sub>	84.0	-78.99	73.94	108.2	33.17 (=30.78+2.4)	64.07 (=61.55+2.52)	13.0 (=10.25+2.74)	0.3009	0.5812	0.7231
	N <sub>d</sub>	18.01	0.0	0.0	0.0	2.4 (=0.0+2.4)	2.52 (=0.0+2.52)	2.74 (=0.0+2.74)	0.3127	0.329	0.0284
	W <sub>d</sub>	95.41	0.0	0.0	0.0	84.21 (=81.81+2.4)	88.59 (=86.07+2.52)	96.48 (=93.73+2.74)	0.3127	0.329	1.0
	NO <sub>d</sub>	0.01	0.0	0.0	0.0	0.0 (= -2.38+2.4)	0.0 (= -2.51+2.52)	0.0 (= -2.73+2.74)	0.3037	0.3196	0.0
	WI <sub>d</sub>	100.0	0.0	0.0	0.0	95.05 (=92.65+2.4)	100.0 (=97.48+2.52)	108.9 (=106.16+2.74)	0.3127	0.329	1.1288

AN90-7N, Colorimetric data of Television Reflective System TRS18 and calculated Television Luminous Systems TLS00, TLS18

Prøveplansje AN90 RYGCBMNW<sub>d</sub> for TSL00 & TLS18  
 Calculation of CIE data for sRGB display for 2 reflections

input: rgb/cmy0/000n/w set...  
 output: ->rgbdd setrgbcolor