TUB-Registrierung: 20100601-LG06/LG06L0N1.TXT /.PS
Anwendung für Messung von Drucker– oder Monitorsystemen

Siehe Original/Kopie: http://web.me.com/klaus.richter/LG06/LG06L0N1.TXT /.PS
Technische Information: http://www.ps.bam.de oder http://130.149.60.45/~farbmetrik

Interpretation *rgb –> olv*- und CIELAB-Daten von einem 48-stufigen Geräte-Buntton*kreis für LECD-display (wenig Glanz) mit der Leuchtdichte-Reflexion L_r=0% verglichen mit der weissen Referenz (100%)

48-stufiger Geräte-Buntton*kreis mit 6 Geräte-Buntton*en *OY*: *OM*: $h_{ab,a}$ = 46.0, 101.2, 131.0, 196.6, 306.1, 326.8
Vergleich mit vier Element-Buntton*en: *R G B*: $R_{ab,a}$ = 25.5, 92.3, 162.2, 217.7, und *C M Y*: M^* = 217.0, 328.6
9-stufige gleichhelle Graureihe: *L = 0.0, 11.9, 23.9, 35.8, 47.7, 59.6, 71.6, 83.5, 95.4**

d_{Sta}	h_{rgb}	$olv^*_{Sta,a}$	$\Delta 2$	$h_{ab,Mod}$	$rgb->olv^*_{Sta}$		d_{Sta}	h_{rgb}	$olv^*_{Sta,a}$	$\Delta 2$	$h_{ab,Mod,a}$	$rgb->olv^*_{Sta}$	
o00y=O	30.0	1.0	0.001	0.0	041 46.0	1.000 0.000 0.000	c00y=C	210.0	0.0	0.999	1.0	091 196.9	0.000 1.000 1.000
o12y	36.6	1.0	0.126	0.0	048 48.1	1.000 0.125 0.000	c12y	216.6	0.0	0.874	1.0	089 230.4	0.000 0.875 1.000
o25y	43.9	1.0	0.251	0.0	051 53.1	1.000 0.250 0.000	c25y	223.9	0.0	0.749	1.0	101 254.2	0.000 0.750 1.000
o37y	51.8	1.0	0.376	0.0	091 59.3	1.000 0.375 0.000	c37y	231.8	0.0	0.624	1.0	091 270.8	0.000 0.625 1.000
o50y	60.0	1.0	0.501	0.0	101 66.7	1.000 0.500 0.000	c50y	240.0	0.0	0.499	1.0	101 282.2	0.000 0.500 1.000
o62y	68.2	1.0	0.626	0.0	101 74.4	1.000 0.625 0.000	c62y	248.2	0.0	0.374	1.0	101 291.2	0.000 0.375 1.000
o75y	76.1	1.0	0.751	0.0	101 82.8	1.000 0.750 0.000	c75y	256.1	0.0	0.249	1.0	101 298.4	0.000 0.250 1.000
o87y	83.4	1.0	0.876	0.0	101 91.5	1.000 0.875 0.000	c87y	263.4	0.0	0.124	1.0	101 304.0	0.000 0.125 1.000
y000=Y	90.0	0.999	1.0	0.0	101 101.3	1.000 1.000 0.000	r00m=V	270.0	0.001	1.0	0.0	101 306.2	0.000 0.000 1.000
y12r	96.6	0.874	1.0	0.0	101 109.3	0.875 1.000 0.000	r12m	276.6	0.126	1.0	0.0	101 306.7	0.125 0.000 1.000
y25r	103.9	0.749	1.0	0.0	101 114.8	0.750 1.000 0.000	r25m	283.9	0.251	1.0	0.0	101 308.0	0.250 0.000 1.000
y37r	111.8	0.624	1.0	0.0	101 119.4	0.625 1.000 0.000	r37m	291.8	0.376	1.0	0.0	101 309.6	0.375 0.000 1.000
y50r	120.0	0.499	1.0	0.0	101 123.0	0.500 1.000 0.000	r50m	300.0	0.501	1.0	0.0	101 311.8	0.500 0.000 1.000
y62r	128.2	0.374	1.0	0.0	101 126.1	0.375 1.000 0.000	r62m	308.2	0.626	1.0	0.0	101 314.4	0.625 0.000 1.000
y75r	136.1	0.249	1.0	0.0	101 128.4	0.250 1.000 0.000	r75m	316.1	0.751	1.0	0.0	101 317.6	0.750 0.000 1.000
y87r	143.4	0.124	1.0	0.0	101 130.3	0.125 1.000 0.000	r87m	323.4	0.876	1.0	0.0	101 321.3	0.875 0.000 1.000
l00c=L	150.0	0.0	1.0	0.001	001 131.1	0.000 1.000 0.000	m00o=M	330.0	1.0	0.999	001 326.9	1.000 0.000 1.000
l12c	156.6	0.0	1.0	0.126	001 133.4	0.000 1.000 0.125	m12o	336.6	1.0	0.874	001 336.9	1.000 0.000 0.875
l25c	163.9	0.0	1.0	0.251	001 136.1	0.000 1.000 0.250	m25o	343.9	1.0	0.749	001 343.6	1.000 0.000 0.750
l37c	171.8	0.0	1.0	0.376	001 142.8	0.000 1.000 0.375	m37o	351.8	1.0	0.624	001 359.7	1.000 0.000 0.625
l50c	180.0	0.0	1.0	0.501	001 147.9	0.000 1.000 0.500	m50o	360.0	1.0	0.499	001 359.0	1.000 0.000 0.500
l62c	188.2	0.0	1.0	0.626	001 153.1	0.000 1.000 0.625	m62o	368.2	1.0	0.374	001 9.1	1.000 0.000 0.375
l75c	196.1	0.0	1.0	0.751	001 160.5	0.000 1.000 0.750	m75o	376.1	1.0	0.249	001 20.8	1.000 0.000 0.250
l87c	203.4	0.0	1.0	0.876	001 170.2	0.000 1.000 0.875	m87o	383.4	1.0	0.124	001 35.9	1.000 0.000 0.125

LG060−3N, 1

Interpretation *rgb –> olv*- und CIELAB-Daten von einem 48-stufigen Geräte-Buntton*kreis für LECD-display (wenig Glanz) mit der Leuchtdichte-Reflexion L_r=1,2% verglichen mit der weissen Referenz (100%)

48-stufiger Geräte-Buntton*kreis mit 6 Geräte-Buntton*en *OY*: *OM*: $h_{ab,a}$ = 41.1, 101.5, 131.8, 196.7, 305.0, 326.7
Vergleich mit vier Element-Buntton*en: *R G B*: $R_{ab,a}$ = 25.5, 92.3, 162.2, 217.7, und *C M Y*: M^* = 217.0, 328.6
9-stufige gleichhelle Graureihe: *L = 10.4, 21.0, 31.7, 42.3, 53.2, 64.0, 74.8, 85.4**

d_{Sta}	h_{rgb}	$olv^*_{Sta,a}$	$\Delta 2$	$h_{ab,Mod}$	$rgb->olv^*_{Sta}$		d_{Sta}	h_{rgb}	$olv^*_{Sta,a}$	$\Delta 2$	$h_{ab,Mod,a}$	$rgb->olv^*_{Sta}$	
o00y=O	30.0	1.0	0.001	0.0	011 41.2	1.000 0.000 0.000	c00y=C	210.0	0.0	0.999	1.0	011 197.0	0.000 1.000 1.000
o12y	36.6	1.0	0.126	0.0	011 43.4	1.000 0.125 0.000	c12y	216.6	0.0	0.874	1.0	011 230.6	0.000 0.875 1.000
o25y	43.9	1.0	0.251	0.0	011 49.4	1.000 0.250 0.000	c25y	223.9	0.0	0.749	1.0	011 254.4	0.000 0.750 1.000
o37y	51.8	1.0	0.376	0.0	011 56.7	1.000 0.375 0.000	c37y	231.8	0.0	0.624	1.0	011 270.8	0.000 0.625 1.000
o50y	60.0	1.0	0.501	0.0	011 65.8	1.000 0.500 0.000	c50y	240.0	0.0	0.499	1.0	011 282.2	0.000 0.500 1.000
o62y	68.2	1.0	0.626	0.0	011 75.3	1.000 0.625 0.000	c62y	248.2	0.0	0.374	1.0	011 290.8	0.000 0.375 1.000
o75y	76.1	1.0	0.751	0.0	011 82.5	1.000 0.750 0.000	c75y	256.1	0.0	0.249	1.0	011 297.7	0.000 0.250 1.000
o87y	83.4	1.0	0.876	0.0	011 91.0	1.000 0.875 0.000	c87y	263.4	0.0	0.124	1.0	011 303.6	0.000 0.125 1.000
y000=Y	90.0	0.999	1.0	0.0	011 101.6	1.000 1.000 0.000	r00m=V	270.0	0.001	1.0	0.0	011 305.0	0.000 0.000 1.000
y12r	96.6	0.874	1.0	0.0	011 109.8	0.875 1.000 0.000	r12m	276.6	0.126	1.0	0.0	011 305.7	0.125 0.000 1.000
y25r	103.9	0.749	1.0	0.0	011 115.4	0.750 1.000 0.000	r25m	283.9	0.251	1.0	0.0	011 307.1	0.250 0.000 1.000
y37r	111.8	0.624	1.0	0.0	011 119.9	0.625 1.000 0.000	r37m	291.8	0.376	1.0	0.0	011 308.8	0.375 0.000 1.000
y50r	120.0	0.499	1.0	0.0	011 123.8	0.500 1.000 0.000	r50m	300.0	0.501	1.0	0.0	011 311.2	0.500 0.000 1.000
y62r	128.2	0.374	1.0	0.0	011 126.5	0.375 1.000 0.000	r62m	308.2	0.626	1.0	0.0	011 313.9	0.625 0.000 1.000
y75r	136.1	0.249	1.0	0.0	011 128.8	0.250 1.000 0.000	r75m	316.1	0.751	1.0	0.0	011 317.3	0.750 0.000 1.000
y87r	143.4	0.124	1.0	0.0	011 130.7	0.125 1.000 0.000	r87m	323.4	0.876	1.0	0.0	011 321.1	0.875 0.000 1.000
l00c=L	150.0	0.0	1.0	0.001	011 131.5	0.000 1.000 0.000	m00o=M	330.0	1.0	0.999	011 326.8	1.000 0.000 1.000
l12c	156.6	0.0	1.0	0.126	011 133.7	0.000 1.000 0.125	m12o	336.6	1.0	0.874	011 336.9	1.000 0.000 0.875
l25c	163.9	0.0	1.0	0.251	011 138.3	0.000 1.000 0.250	m25o	343.9	1.0	0.749	011 343.7	1.000 0.000 0.750
l37c	171.8	0.0	1.0	0.376	011 142.9	0.000 1.000 0.375	m37o	351.8	1.0	0.624	011 359.8	1.000 0.000 0.625
l50c	180.0	0.0	1.0	0.501	011 148.0	0.000 1.000 0.500	m50o	360.0	1.0	0.499	011 359.0	1.000 0.000 0.500
l62c	188.2	0.0	1.0	0.626	011 153.1	0.000 1.000 0.625	m62o	368.2	1.0	0.374	011 9.1	1.000 0.000 0.375
l75c	196.1	0.0	1.0	0.751	011 160.5	0.000 1.000 0.750	m75o	376.1	1.0	0.249	011 20.4	1.000 0.000 0.250
l87c	203.4	0.0	1.0	0.876	011 170.1	0.000 1.000 0.875	m87o	383.4	1.0	0.124	011 33.6	1.000 0.000 0.125

LG061−3N, 1

Interpretation *rgb –> olv*- und CIELAB-Daten von einem 48-stufigen Geräte-Buntton*kreis für LECD-display (wenig Glanz) mit der Leuchtdichte-Reflexion L_r=0,6% verglichen mit der weissen Referenz (100%)

48-stufiger Geräte-Buntton*kreis mit 6 Geräte-Buntton*en *OY*: *OM*: $h_{ab,a}$ = 43.3, 101.4, 131.4, 196.6, 305.6, 326.8
Vergleich mit vier Element-Buntton*en: *R G B*: $R_{ab,a}$ = 25.5, 92.3, 162.2, 217.7, und *C M Y*: M^* = 217.0, 328.6
9-stufige gleichhelle Graureihe: *L = 5.0, 16.3, 27.6, 38.9, 50.2, 61.5, 72.8, 84.1, 95.4**

d_{Sta}	h_{rgb}	$olv^*_{Sta,a}$	$\Delta 2$	$h_{ab,Mod}$	$rgb->olv^*_{Sta}$		d_{Sta}	h_{rgb}	$olv^*_{Sta,a}$	$\Delta 2$	$h_{ab,Mod,a}$	$rgb->olv^*_{Sta}$	
o00y=O	30.0	1.0	0.001	0.0	041 43.3	1.000 0.000 0.000	c00y=C	210.0	0.0	0.999	1.0	011 197.0	0.000 1.000 1.000
o12y	36.6	1.0	0.126	0.0	041 45.4	1.000 0.125 0.000	c12y	216.6	0.0	0.874	1.0	011 230.7	0.000 0.875 1.000
o25y	43.9	1.0	0.251	0.0	051 51.0	1.000 0.250 0.000	c25y	223.9	0.0	0.749	1.0	011 254.3	0.000 0.750 1.000
o37y	51.8	1.0	0.376	0.0	011 57.8	1.000 0.375 0.000	c37y	231.8	0.0	0.624	1.0	011 270.8	0.000 0.625 1.000
o50y	60.0	1.0	0.501	0.0	011 65.7	1.000 0.500 0.000	c50y	240.0	0.0	0.499	1.0	011 282.2	0.000 0.500 1.000
o62y	68.2	1.0	0.626	0.0	011 73.9	1.000 0.625 0.000	c62y	248.2	0.0	0.374	1.0	011 291.0	0.000 0.375 1.000
o75y	76.1	1.0	0.751	0.0	011 82.7	1.000 0.750 0.000	c75y	256.1	0.0	0.249	1.0	011 298.0	0.000 0.250 1.000
o87y	83.4	1.0	0.876	0.0	011 91.6	1.000 0.875 0.000	c87y	263.4	0.0	0.124	1.0	011 303.5	0.000 0.125 1.000
y000=Y	90.0	0.999	1.0	0.0	011 101.5	1.000 1.000 0.000	r00m=V	270.0	0.001	1.0	0.0	011 305.6	0.000 0.000 1.000
y12r	96.6	0.874	1.0	0.0	011 109.5	0.875 1.000 0.000	r12m	276.6	0.126	1.0	0.0	011 306.2	0.125 0.000 1.000
y25r	103.9	0.749	1.0	0.0	011 115.1	0.750 1.000 0.000	r25m	283.9	0.251	1.0	0.0	011 307.5	0.250 0.000 1.000
y37r	111.8	0.624	1.0	0.0	011 119.7	0.625 1.000 0.000	r37m	291.8	0.376	1.0	0.0	011 309.2	0.375 0.000 1.000
y50r	120.0	0.499	1.0	0.0	011 123.4	0.500 1.000 0.000	r50m	300.0	0.501	1.0	0.0	011 311.5	0.500 0.000 1.000
y62r	128.2	0.374	1.0	0.0	011 126.5	0.375 1.000 0.000	r62m	308.2	0.626	1.0	0.0	011 314.2	0.625 0.000 1.000
y75r	136.1	0.249	1.0	0.0	011 128.8	0.250 1.000 0.000	r75m	316.1	0.751	1.0	0.0	011 317.4	0.750 0.000 1.000
y87r	143.4	0.124	1.0	0.0	011 130.7	0.125 1.000 0.000	r87m	323.4	0.876	1.0	0.0	011 321.2	0.875 0.000 1.000
l00c=L	150.0	0.0	1.0	0.001	011 131.5	0.000 1.000 0.000	m00o=M	330.0	1.0	0.999	011 326.9	1.000 0.000 1.000
l12c	156.6	0.0	1.0	0.126	011 133.7	0.000 1.000 0.125	m12o	336.6	1.0	0.874	011 336.9	1.000 0.000 0.875
l25c	163.9	0.0	1.0	0.251	011 138.3	0.000 1.000 0.250	m25o	343.9	1.0	0.749	011 343.7	1.000 0.000 0.750
l37c	171.8	0.0	1.0	0.376	011 142.9	0.000 1.000 0.375	m37o	351.8	1.0	0.624	011 359.8	1.000 0.000 0.625
l50c	180.0	0.0	1.0	0.501	011 148.0	0.000 1.000 0.500	m50o	360.0	1.0	0.499	011 359.0	1.000 0.000 0.500
l62c	188.2	0.0	1.0	0.626	011 153.1	0.000 1.000 0.625	m62o	368.2	1.0	0.374	011 9.1	1.000 0.000 0.375
l75c	196.1	0.0	1.0	0.751	011 160.5	0.000 1.000 0.750	m75o	376.1	1.0	0.249	011 19.5	1.000 0.000 0.250
l87c	203.4	0.0	1.0	0.876	011 170.1	0.000 1.000 0.875	m87o	383.4	1.0	0.124	011 34.6	1.000 0.000 0.125

LG060−7N

Interpretation *rgb –> olv*- und CIELAB-Daten von einem 48-stufigen Geräte-Buntton*kreis für LECD-display (wenig Glanz) mit der Leuchtdichte-Reflexion L_r=2,5% verglichen mit der weissen Referenz (100%)

48-stufiger Geräte-Buntton*kreis mit 6 Geräte-Buntton*en *OY*: *OM*: $h_{ab,a}$ = 38.2, 101.8, 132.5, 196.7, 304.1, 326.6
Vergleich mit vier Element-Buntton*en: *R G B*: $R_{ab,a}$ = 25.5, 92.3, 162.2, 217.7, und *C M Y*: M^* = 217.0, 328.6
9-stufige gleichhelle Graureihe: *L = 17.7, 27.4, 37.1, 46.8, 56.5, 66.3, 76.0, 85.7, 95.4**

d_{Sta}	h_{rgb}	$olv^*_{Sta,a}$	$\Delta 2$	$h_{ab,Mod}$	$rgb->olv^*_{Sta}$		d_{Sta}	h_{rgb}	$olv^*_{Sta,a}$	$\Delta 2$	$h_{ab,Mod,a}$	$rgb->olv^*_{Sta}$	
o00y=O	30.0	1.0	0.001	0.0	011 38.2	1.000 0.000 0.000	c00y=C	210.0	0.0	0.999	1.0	011 197.0	0.000 1.000 1.000
o12y	36.6	1.0	0.126	0.0	011 40.7	1.000 0.125 0.000	c12y	216.6	0.0	0.874	1.0	011 230.7	0.000 0.875 1.000
o25y	43.9	1.0	0.251	0.0	011 47.0	1.000 0.250 0.000	c25y	223.9	0.0	0.749	1.0	011 254.5	0.000 0.750 1.000
o37y	51.8	1.0	0.376	0.0	011 54.8	1.000 0.375 0.000	c37y	231.8	0.0	0.624	1.0	011 270.8	0.000 0.625 1.000
o50y	60.0	1.0	0.501	0.0	011 63.7	1.000 0.500 0.000	c50y	240.0	0.0	0.499	1.0	011 281.9	0.000 0.500 1.000
o62y	68.2	1.0	0.626	0.0	011 72.7	1.000 0.625 0.000	c62y	248.2	0.0	0.374	1.0	011 290.5	0.000 0.375 1.000
o75y	76.1	1.0	0.751	0.0	011 82.2	1.000 0.750 0.000	c75y	256.1	0.0	0.249	1.0	011 297.1	0.000 0.250 1.000
o87y	83.4	1.0	0.876	0.0	011 91.6	1.000 0.875 0.000	c87y	263.4	0.0	0.124	1.0	011 302.2	0.000 0.125 1.000
y000=Y	90.0	0.999	1.0	0.0	011 101.9	1.000 1.000 0.000	r00m=V	270.0	0.001	1.0	0.0	011 304.1	0.000 0.000 1.000
y12r	96.6	0.874	1.0	0.0	011 110.3	0.875 1.000 0.000	r12m	276.6	0.126	1.0	0.0	011 304.8	0.125 0.000 1.000
y25r	103.9	0.749	1.0	0.0	011 116.0	0.750 1.000 0.000	r25m	283.9	0.251	1.0	0.0	011 306.3	0.250 0.000 1.000
y37r	111.8	0.624	1.0	0.0	011 120.7	0.625 1.000 0.000	r37m	291.8	0.376	1.0	0.0	011 308.3	0.375 0.000 1.000
y50r	120.0	0.499	1.0	0.0	011 124.4	0.500 1.000 0.000	r50m	300.0	0.501	1.0	0.0	011 310.7	0.500 0.000 1.000
y62r	128.2	0.374	1.0	0.0	011 127.5	0.375 1.000 0.000	r62m	308.2	0.626	1.0	0.0	011 313.5	0.625 0.000 1.000
y75r	136.1	0.249	1.0	0.0	011 129.9	0.250 1.000 0.000	r75m	316.1	0.751	1.0	0.0	011 316.9	0.750 0.000 1.000
y87r	143.4	0.124	1.0	0.0	011 131.8	0.125 1.000 0.000	r87m	323.4	0.876	1.0	0.0	011 320.9	0.875 0.000 1.000
l00c=L	150.0	0.0	1.0	0.001	011 132.5	0.000 1.000 0.000	m00o=M	330.0	1.0	0.999	011 326.7	1.000 0.000 1.000
l12c	156.6	0.0	1.0	0.126	011 134.5	0.000 1.000 0.125	m12o	336.6	1.0	0.874	011 336.9	1.000 0.000 0.875
l25c	163.9	0.0	1.0	0.251	011 138.8	0.000 1.000 0.250	m25o	343.9	1.0	0.749	011 343.7	1.000 0.000 0.750
l37c	171.8	0.0	1.0	0.376	011 143.2	0.000 1.000 0.375	m37o	351.8	1.0	0.624	011 359.8	1.000 0.000 0.625
l50c	180.0	0.0	1.0	0.501	011 148.1	0.000 1.000 0.500	m50o	360.0	1.0	0.499	011 359.0	1.000 0.000 0.500
l62c	188.2	0.0	1.0	0.626	011 153.1	0.000 1.000 0.625	m62o	368.2	1.0	0.374	011 9.1	1.000 0.000 0.375
l75c	196.1	0.0	1.0	0.751	011 160.5	0.000 1.000 0.750	m75o	376.1	1.0	0.249	011 19.5	1.000 0.000 0.250
l87c	203.4	0.0	1.0	0.876	011 170.1	0.000 1.000 0.875	m87o	383.4	1.0	0.124	011 33.6	1.000 0.000 0.125

LG061−7N, 1

TUB-Prüfvorlage LG06; 48-stufiger LECD-Geräte-Buntton*kreis* input: *rgb->olv* setrgbcolor*
Interpretation *rgb –> olv** und *olv*–*Daten von Farben Ma output: *no change compared to input*

TUB-Material: Code=rha4ta