

Interpretation $rgb \rightarrow olv^*$ and CIELAB data of a 48 step device hue circle for a LECD low glossy display with the luminance reflection $L_r=5\%$ compared to the white reference (100%)

48 step device hue circle with six device hues $OYLCVM: h_{ab,a} = 34.5, 102.3, 133.6, 196.8, 302.4, 326.4$
comparison with four elementary hues $RJGB: h_{ab,a} = 25.5, 92.3, 162.2, 271.7$, and $C^*M^* = 217.0, 328.6$

9 step equidistant grey scale: $L^* = 26.6, 35.2, 43.8, 52.4, 61.0, 69.6, 78.2, 86.8, 95.4$

d_{Ma}	h_{rgb}	$olv^*_{Ma,d}$	A2	$h_{abMa,d}$	$rgb \rightarrow olv^*_{Ma}$	d_{Ma}	h_{rgb}	$olv^*_{Ma,d}$	A2	$h_{abMa,d}$	$rgb \rightarrow olv^*_{Ma}$			
c00v=O	30.0	1.0	0.001	0.0	0.01	34.6	1.0	0.000	0.000	0.01	197.1	0.000	1.000	1.000
o12y	36.6	1.0	0.126	0.0	0.01	37.1	1.0	0.000	0.125	0.000	231.1	0.000	0.875	1.000
o25y	43.9	1.0	0.251	0.0	0.01	38.8	1.0	0.000	0.250	0.000	254.7	0.000	0.750	1.000
o37y	51.8	1.0	0.376	0.0	0.01	52.1	1.0	0.000	0.375	0.000	270.8	0.000	0.625	1.000
o50y	60.0	1.0	0.501	0.0	0.01	61.6	1.0	0.000	0.500	0.000	281.0	0.000	0.500	1.000
o62y	68.2	1.0	0.626	0.0	0.01	71.4	1.0	0.000	0.625	0.000	288.6	0.000	0.375	1.000
o75y	76.1	1.0	0.751	0.0	0.01	81.7	1.0	0.000	0.750	0.000	296.1	0.000	0.250	1.000
o87y	83.4	1.0	0.876	0.0	0.01	91.7	1.0	0.000	0.875	0.000	300.7	0.000	0.125	1.000
y00=V	90.0	0.999	1.0	0.0	0.01	102.4	1.0	0.000	1.000	0.000	302.4	0.000	0.000	1.000
y12m	96.6	0.874	1.0	0.0	0.01	111.1	0.875	1.000	0.000	0.000	303.2	0.125	0.000	1.000
y25m	103.9	0.749	1.0	0.0	0.01	116.9	0.750	1.000	0.000	0.000	304.9	0.250	0.000	1.000
y37m	111.8	0.624	1.0	0.0	0.01	121.7	0.625	1.000	0.000	0.000	307.1	0.375	0.000	1.000
y50m	120.0	0.499	1.0	0.0	0.01	125.5	0.500	1.000	0.000	0.000	309.7	0.500	0.000	1.000
y62m	128.2	0.374	1.0	0.0	0.01	128.7	0.375	1.000	0.000	0.000	312.8	0.625	0.000	1.000
y75m	136.1	0.249	1.0	0.0	0.01	131.0	0.250	1.000	0.000	0.000	316.1	0.750	0.000	1.000
y87m	143.4	0.124	1.0	0.0	0.01	132.9	0.125	1.000	0.000	0.000	320.5	0.875	0.000	1.000
m00=L	150.0	0.0	1.0	0.001	0.01	133.6	0.000	1.000	0.000	0.000	326.5	1.000	0.000	1.000
m12c	156.6	0.0	1.0	0.126	0.01	135.4	0.000	1.000	0.125	0.000	336.9	1.000	0.000	0.875
m25c	163.9	0.0	1.0	0.251	0.01	139.3	0.000	1.000	0.250	0.000	343.8	1.000	0.000	0.750
m37c	171.8	0.0	1.0	0.376	0.01	143.5	0.000	1.000	0.375	0.000	350.9	1.000	0.000	0.625
m50c	180.0	0.0	1.0	0.501	0.01	148.3	0.000	1.000	0.500	0.000	359.0	1.000	0.000	0.500
m62c	188.2	0.0	1.0	0.626	0.01	153.7	0.000	1.000	0.625	0.000	368.2	1.000	0.000	0.375
m75c	196.1	0.0	1.0	0.751	0.01	160.5	0.000	1.000	0.750	0.000	376.1	1.000	0.000	0.250
m87c	203.4	0.0	1.0	0.876	0.01	170.1	0.000	1.000	0.875	0.000	424.0	1.000	0.000	0.125

LE070-3N, 2

Interpretation $rgb \rightarrow olv^*$ and CIELAB data of a 48 step device hue circle for a LECD low glossy display with the luminance reflection $L_r=20\%$ compared to the white reference (100%)

48 step device hue circle with six device hues $OYLCVM: h_{ab,a} = 26.5, 104.5, 137.5, 197.4, 296.7, 325.4$
comparison with four elementary hues $RJGB: h_{ab,a} = 25.5, 92.3, 162.2, 271.7$, and $C^*M^* = 217.0, 328.6$

9 step equidistant grey scale: $L^* = 51.9, 57.4, 62.8, 68.2, 73.7, 79.1, 84.5, 90.0, 95.4$

d_{Ma}	h_{rgb}	$olv^*_{Ma,d}$	A2	$h_{abMa,d}$	$rgb \rightarrow olv^*_{Ma}$	d_{Ma}	h_{rgb}	$olv^*_{Ma,d}$	A2	$h_{abMa,d}$	$rgb \rightarrow olv^*_{Ma}$			
c00v=C	210.0	0.0	0.999	1.0	0.01	26.5	1.0	0.000	0.000	0.000	197.8	0.000	1.000	1.000
o12y	36.6	1.0	0.126	0.0	0.01	28.9	1.0	0.000	0.125	0.000	232.8	0.000	0.875	1.000
o25y	43.9	1.0	0.251	0.0	0.01	35.5	1.0	0.000	0.250	0.000	255.0	0.000	0.750	1.000
o37y	51.8	1.0	0.376	0.0	0.01	44.2	1.0	0.000	0.375	0.000	270.7	0.000	0.625	1.000
o50y	60.0	1.0	0.501	0.0	0.01	55.1	1.0	0.000	0.500	0.000	280.2	0.000	0.500	1.000
o62y	68.2	1.0	0.626	0.0	0.01	67.0	1.0	0.000	0.625	0.000	287.0	0.000	0.375	1.000
o75y	76.1	1.0	0.751	0.0	0.01	79.7	1.0	0.000	0.750	0.000	292.0	0.000	0.250	1.000
o87y	83.4	1.0	0.876	0.0	0.01	92.1	1.0	0.000	0.875	0.000	295.5	0.000	0.125	1.000
v00=V	90.0	0.999	1.0	0.0	0.01	104.6	1.0	0.000	1.000	0.000	296.7	0.000	0.000	1.000
y12m	96.6	0.874	1.0	0.0	0.01	114.4	0.875	1.000	0.000	0.000	297.7	0.125	0.000	1.000
y25m	103.9	0.749	1.0	0.0	0.01	120.8	0.750	1.000	0.000	0.000	299.8	0.250	0.000	1.000
y37m	111.8	0.624	1.0	0.0	0.01	125.8	0.625	1.000	0.000	0.000	302.4	0.375	0.000	1.000
y50m	120.0	0.499	1.0	0.0	0.01	129.6	0.500	1.000	0.000	0.000	305.6	0.500	0.000	1.000
y62m	128.2	0.374	1.0	0.0	0.01	132.8	0.375	1.000	0.000	0.000	309.3	0.625	0.000	1.000
y75m	136.1	0.249	1.0	0.0	0.01	135.0	0.250	1.000	0.000	0.000	313.7	0.750	0.000	1.000
y87m	143.4	0.124	1.0	0.0	0.01	136.8	0.125	1.000	0.000	0.000	318.6	0.875	0.000	1.000
m00=L	150.0	0.0	1.0	0.001	0.01	137.5	0.000	1.000	0.000	0.000	325.5	1.000	0.000	1.000
m12c	156.6	0.0	1.0	0.126	0.01	138.7	0.000	1.000	0.125	0.000	336.8	1.000	0.000	0.875
m25c	163.9	0.0	1.0	0.251	0.01	141.5	0.000	1.000	0.250	0.000	344.1	1.000	0.000	0.750
m37c	171.8	0.0	1.0	0.376	0.01	144.9	0.000	1.000	0.375	0.000	351.4	1.000	0.000	0.625
m50c	180.0	0.0	1.0	0.501	0.01	149.0	0.000	1.000	0.500	0.000	359.1	1.000	0.000	0.500
m62c	188.2	0.0	1.0	0.626	0.01	154.0	0.000	1.000	0.625	0.000	368.2	1.000	0.000	0.375
m75c	196.1	0.0	1.0	0.751	0.01	160.4	0.000	1.000	0.750	0.000	376.1	1.000	0.000	0.250
m87c	203.4	0.0	1.0	0.876	0.01	169.9	0.000	1.000	0.875	0.000	424.0	1.000	0.000	0.125

LE071-3N, 2

Interpretation $rgb \rightarrow olv^*$ and CIELAB data of a 48 step device hue circle for a LECD low glossy display with the luminance reflection $L_r=10\%$ compared to the white reference (100%)

48 step device hue circle with six device hues $OYLCVM: h_{ab,a} = 30.5, 103.2, 135.3, 197.0, 300.0, 326.0$
comparison with four elementary hues $RJGB: h_{ab,a} = 25.5, 92.3, 162.2, 271.7$, and $C^*M^* = 217.0, 328.6$

9 step equidistant grey scale: $L^* = 37.9, 45.1, 52.2, 59.4, 66.6, 73.8, 81.0, 88.2, 95.4$

d_{Ma}	h_{rgb}	$olv^*_{Ma,d}$	A2	$h_{abMa,d}$	$rgb \rightarrow olv^*_{Ma}$	d_{Ma}	h_{rgb}	$olv^*_{Ma,d}$	A2	$h_{abMa,d}$	$rgb \rightarrow olv^*_{Ma}$			
c00v=O	30.0	1.0	0.001	0.0	0.01	30.5	1.0	0.000	0.000	0.000	197.4	0.000	1.000	1.000
o12y	36.6	1.0	0.126	0.0	0.01	33.0	1.0	0.000	0.125	0.000	231.7	0.000	0.875	1.000
o25y	43.9	1.0	0.251	0.0	0.01	39.8	1.0	0.000	0.250	0.000	255.2	0.000	0.750	1.000
o37y	51.8	1.0	0.376	0.0	0.01	48.4	1.0	0.000	0.375	0.000	270.7	0.000	0.625	1.000
o50y	60.0	1.0	0.501	0.0	0.01	58.8	1.0	0.000	0.500	0.000	281.0	0.000	0.500	1.000
o62y	68.2	1.0	0.626	0.0	0.01	69.5	1.0	0.000	0.625	0.000	288.6	0.000	0.375	1.000
o75y	76.1	1.0	0.751	0.0	0.01	80.9	1.0	0.000	0.750	0.000	294.4	0.000	0.250	1.000
o87y	83.4	1.0	0.876	0.0	0.01	91.9	1.0	0.000	0.875	0.000	298.5	0.000	0.125	1.000
v00=V	90.0	0.999	1.0	0.0	0.01	103.3	1.0	0.000	1.000	0.000	300.0	0.000	0.000	1.000
y12m	96.6	0.874	1.0	0.0	0.01	112.4	0.875	1.000	0.000	0.000	300.8	0.125	0.000	1.000
y25m	103.9	0.749	1.0	0.0	0.01	118.5	0.750	1.000	0.000	0.000	302.8	0.250	0.000	1.000
y37m	111.8	0.624	1.0	0.0	0.01	123.4	0.625	1.000	0.000	0.000	305.2	0.375	0.000	1.000
y50m	120.0	0.499	1.0	0.0	0.01	127.3	0.500	1.000	0.000	0.000	308.1	0.500	0.000	1.000
y62m	128.2	0.374	1.0	0.0	0.01	130.4	0.375	1.000	0.000	0.000	311.4	0.625	0.000	1.000
y75m	136.1	0.249	1.0	0.0	0.01	132.7	0.250	1.000	0.000	0.000	315.4	0.750	0.000	1.000
y87m	143.4	0.124	1.0	0.0	0.01	134.6	0.125	1.000	0.000	0.000	319.8	0.875	0.000	1.000
m00=L	150.0	0.0	1.0	0.001	0.01	135.3	0.000	1.000	0.000	0.000	326.1	1.000	0.000	1.000
m12c	156.6	0.0	1.0	0.126	0.01	136.8	0.000	1.000	0.125	0.000	336.9	1.000	0.000	0.875
m25c	163.9	0.0	1.0	0.251	0.01	140.2	0.000	1.000	0.250	0.000	343.9	1.000	0.000	0.750
m37c	171.8	0.0	1.0	0.376	0.01	144.0	0.000	1.000	0.375	0.000	351.1	1.000	0.000	0.625
m50c	180.0	0.0	1.0	0.501	0.01	148.5	0.000	1.000	0.500	0.000	359.1	1.000	0.000	0.500
m62c	188.2	0.0	1.0	0.626	0.01	153.8	0.000	1.000	0.625	0.000	368.2	1.000	0.000	0.375
m75c	196.1	0.0	1.0	0.751	0.01	160.4	0.000	1.000	0.750	0.000	376.1	1.000	0.000	0.250
m87c	203.4	0.0	1.0	0.876	0.01	170.0	0.000	1.000	0.875	0.000	424.0	1.000	0.000	