

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=C	30.0	1.0	0.001	0.0	0.01	34.6	1.000	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	1.000	0.125	0.000	0.01	231.1	0.000	0.875	1.000
o25y	43.9	1.0	0.251	0.0	0.01	38.8	1.000	0.250	0.000	0.01	254.7	0.000	0.750	1.000
o37y	51.8	1.0	0.376	0.0	0.01	52.1	1.000	0.375	0.000	0.01	270.8	0.000	0.625	1.000
o50y	60.0	1.0	0.501	0.0	0.01	61.6	1.000	0.500	0.000	0.01	281.6	0.000	0.500	1.000
o62y	68.2	1.0	0.626	0.0	0.01	71.4	1.000	0.625	0.000	0.01	288.8	0.000	0.375	1.000
o75y	76.1	1.0	0.751	0.0	0.01	81.7	1.000	0.750	0.000	0.01	296.1	0.000	0.250	1.000
o87y	83.4	1.0	0.876	0.0	0.01	91.7	1.000	0.875	0.000	0.01	300.7	0.000	0.125	1.000
y00m=Y	90.0	0.999	1.0	0.0	0.01	102.4	1.000	1.000	0.000	1.0	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	1.0	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	1.0	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	1.0	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	1.0	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	1.0	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	1.0	316.4	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	1.0	320.5	0.875	0.000	1.000
l00=L	150.0	0.0	1.0	0.001	0.01	133.6	0.000	1.000	0.000	1.0	326.5	1.000	0.000	1.000
l12c	156.6	0.0	1.0	0.126	0.01	135.4	0.000	1.000	0.125	0.01	336.9	1.000	0.000	0.875
l25c	163.9	0.0	1.0	0.251	0.01	139.3	0.000	1.000	0.250	0.01	343.8	1.000	0.000	0.750
l37c	171.8	0.0	1.0	0.376	0.01	143.5	0.000	1.000	0.375	0.01	350.9	1.000	0.000	0.625
l50c	180.0	0.0	1.0	0.501	0.01	148.3	0.000	1.000	0.500	0.01	359.0	1.000	0.000	0.500
l62c	188.2	0.0	1.0	0.626	0.01	153.7	0.000	1.000	0.625	0.01	368.2	1.000	0.000	0.375
l75c	196.1	0.0	1.0	0.751	0.01	160.5	0.000	1.000	0.750	0.01	376.1	1.000	0.000	0.250
l87c	203.4	0.0	1.0	0.876	0.01	170.1	0.000	1.000	0.875	0.01	383.4	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	30.0	1.0	0.001	0.0	0.01	26.5	1.000	0.000	0.000	0.01	197.8	0.000	1.000	1.000
o12y	36.6	1.0	0.126	0.0	0.01	28.9	1.000	0.125	0.000	0.01	232.8	0.000	0.875	1.000
o25y	43.9	1.0	0.251	0.0	0.01	35.5	1.000	0.250	0.000	0.01	256.0	0.000	0.750	1.000
o37y	51.8	1.0	0.376	0.0	0.01	44.2	1.000	0.375	0.000	0.01	270.7	0.000	0.625	1.000
o50y	60.0	1.0	0.501	0.0	0.01	55.1	1.000	0.500	0.000	0.01	280.2	0.000	0.500	1.000
o62y	68.2	1.0	0.626	0.0	0.01	67.0	1.000	0.625	0.000	0.01	287.0	0.000	0.375	1.000
o75y	76.1	1.0	0.751	0.0	0.01	79.7	1.000	0.750	0.000	0.01	292.0	0.000	0.250	1.000
o87y	83.4	1.0	0.876	0.0	0.01	92.1	1.000	0.875	0.000	0.01	295.5	0.000	0.125	1.000
y00m=Y	90.0	0.999	1.0	0.0	0.01	104.6	1.000	1.000	0.000	1.0	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	1.0	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	1.0	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	1.0	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	1.0	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	1.0	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	1.0	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	1.0	318.6	0.875	0.000	1.000
l00=L	150.0	0.0	1.0	0.001	0.01	137.5	0.000	1.000	0.000	1.0	325.5	1.000	0.000	1.000
l12c	156.6	0.0	1.0	0.126	0.01	138.7	0.000	1.000	0.125	0.01	336.8	1.000	0.000	0.875
l25c	163.9	0.0	1.0	0.251	0.01	141.5	0.000	1.000	0.250	0.01	344.1	1.000	0.000	0.750
l37c	171.8	0.0	1.0	0.376	0.01	144.9	0.000	1.000	0.375	0.01	351.4	1.000	0.000	0.625
l50c	180.0	0.0	1.0	0.501	0.01	149.0	0.000	1.000	0.500	0.01	359.1	1.000	0.000	0.500
l62c	188.2	0.0	1.0	0.626	0.01	154.0	0.000	1.000	0.625	0.01	374.1	1.000	0.000	0.375
l75c	196.1	0.0	1.0	0.751	0.01	160.4	0.000	1.000	0.750	0.01	376.1	1.000	0.000	0.250
l87c	203.4	0.0	1.0	0.876	0.01	169.9	0.000	1.000	0.875	0.01	383.4	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=C	30.0	1.0	0.001	0.0	0.01	30.5	1.000	0.000	0.000	0.01	197.4	0.000	1.000	1.000
o12y	36.6	1.0	0.126	0.0	0.01	33.0	1.000	0.125	0.000	0.01	231.7	0.000	0.875	1.000
o25y	43.9	1.0	0.251	0.0	0.01	39.8	1.000	0.250	0.000	0.01	255.2	0.000	0.750	1.000
o37y	51.8	1.0	0.376	0.0	0.01	48.4	1.000	0.375	0.000	0.01	270.7	0.000	0.625	1.000
o50y	60.0	1.0	0.501	0.0	0.01	58.8	1.000	0.500	0.000	0.01	281.0	0.000	0.500	1.000
o62y	68.2	1.0	0.626	0.0	0.01	69.5	1.000	0.625	0.000	0.01	288.6	0.000	0.375	1.000
o75y	76.1	1.0	0.751	0.0	0.01	80.9	1.000	0.750	0.000	0.01	294.4	0.000	0.250	1.000
o87y	83.4	1.0	0.876	0.0	0.01	91.9	1.000	0.875	0.000	0.01	298.5	0.000	0.125	1.000
y00m=Y	90.0	0.999	1.0	0.0	0.01	103.3	1.000	1.000	0.000	1.0	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	1.0	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	1.0	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	1.0	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	1.0	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	1.0	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	1.0	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	1.0	319.8	0.875	0.000	1.000
l00=L	150.0	0.0	1.0	0.001	0.01	135.3	0.000	1.000	0.000	1.0	326.1	1.000	0.000	1.000
l12c	156.6	0.0	1.0	0.126	0.01	136.8	0.000	1.000	0.125	0.01	336.8	1.000	0.000	0.875
l25c	163.9	0.0	1.0	0.251	0.01	140.2	0.000	1.000	0.250	0.01	343.9	1.000	0.000	0.750
l37c	171.8	0.0	1.0	0.376	0.01	144.0	0.000	1.000	0.375	0.01	351.1	1.000	0.000	0.625
l50c	180.0	0.0	1.0	0.501	0.01	148.5	0.000	1.000	0.500	0.01	359.1	1.000	0.000	0.500
l62c	188.2	0.0	1.0	0.626	0.01	153.8	0.000	1.000	0.625	0.01	368.2	1.000	0.000	0.375
l75c	196.1	0.0	1.0	0.751	0.01	160.4	0.000	1.000	0.750	0.01</				