

Interpretation $rgb \rightarrow olv^*$ and CIELAB data of a 48 step device hue circle
for a LECD low glossy display with the luminance reflection $L_r=0\%$ compared to the white reference (100%)
48 step device hue circle with six device hues **OYLCVM**: $h_{ab,a} = 46.0, 101.2, 131.0, 196.6, 306.1, 326.8$
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: $L^* = 0.0, 11.9, 23.9, 35.8, 47.7, 59.6, 71.6, 83.5, 95.4$

d_{Ma}	h_{rgb}	$[L^*, a^*, b^*, C^*, M']_{ab,ab,ab,ab,d}$	$rgb \rightarrow olv^*_{Ma}$	d_{Ma}	h_{rgb}	$[L^*, a^*, b^*, C^*, M']_{ab,ab,ab,ab,d}$	$rgb \rightarrow olv^*_{Ma}$	
o00y=O	30.0	50.1 76.5 79.4	110.3 46.0	1.000 0.000 0.000	c00v=C	210.0 86.9 -45.9 -13.9	48.1 196.9	0.000 1.000 1.000
o12y	36.6	51.7 72.0 80.1	107.7 48.1	1.000 0.125 0.000	c12v	216.6 74.9 -27.7 -33.5	43.6 230.4	0.000 0.875 1.000
o25y	43.9	55.5 61.0 81.1	101.5 53.1	1.000 0.250 0.000	c25v	223.9 66.6 -13.2 -47.0	49.0 254.2	0.000 0.750 1.000
o37y	51.8	59.9 49.1 82.7	96.2 59.3	1.000 0.375 0.000	c37v	231.8 59.4 0.8 -58.8	58.9 270.8	0.000 0.625 1.000
o50y	60.0	64.7 36.8 85.3	92.9 66.7	1.000 0.500 0.000	c50v	240.0 52.9 15.2 -69.7	71.4 282.3	0.000 0.500 1.000
o62y	68.2	69.8 24.7 88.5	91.9 74.4	1.000 0.625 0.000	c62v	248.2 46.1 31.5 -80.9	86.9 291.2	0.000 0.375 1.000
o75y	76.1	75.6 11.7 93.0	93.7 82.8	1.000 0.750 0.000	c75v	256.1 39.3 50.0 -92.4	105.1 298.4	0.000 0.250 1.000
o87y	83.4	82.6 -2.6 99.1	99.2 91.5	1.000 0.875 0.000	c87v	263.4 32.5 70.0 -103.8	125.3 304.0	0.000 0.125 1.000
y00l=Y	90.0	92.9 -21.6 108.6	110.8 101.3	1.000 1.000 0.000	v00m=V	270.0 29.4 79.8 -109.1	135.3 306.2	0.000 0.000 1.000
y12l	96.6	90.1 -36.5 104.6	110.8 109.3	0.875 1.000 0.000	v12m	276.6 30.4 80.0 -107.3	133.9 306.7	0.125 0.000 1.000
y25l	103.9	88.5 -47.1 102.1	112.5 114.8	0.750 1.000 0.000	v25m	283.9 32.8 80.6 -103.1	131.0 308.0	0.250 0.000 1.000
y37l	111.8	87.2 -56.3 100.2	115.0 119.4	0.625 1.000 0.000	v37m	291.8 35.6 81.5 -98.2	127.7 309.6	0.375 0.000 1.000
y50l	120.0	86.2 -64.1 98.8	117.8 123.0	0.500 1.000 0.000	v50m	300.0 38.9 82.8 -92.5	124.3 311.8	0.500 0.000 1.000
y62l	128.2	85.4 -71.2 97.7	120.9 126.1	0.375 1.000 0.000	v62m	308.2 42.5 84.9 -86.7	121.5 314.4	0.625 0.000 1.000
y75l	136.1	84.7 -76.7 96.9	123.6 128.4	0.250 1.000 0.000	v75m	316.1 46.4 87.4 -79.8	118.4 317.6	0.750 0.000 1.000
y87l	143.4	84.2 -81.5 96.1	126.1 130.3	0.125 1.000 0.000	v87m	323.4 50.8 90.7 -72.4	116.1 321.3	0.875 0.000 1.000
l00c=L	150.0	84.0 -83.4 95.9	127.2 131.1	0.000 1.000 0.000	m00o=M	330.0 56.6 95.7 -62.2	114.2 326.9	1.000 0.000 1.000
l12c	156.6	84.1 -82.3 87.1	119.9 133.4	0.000 1.000 0.125	m12o	336.6 53.9 90.1 -38.3	97.9 336.9	1.000 0.000 0.875
l25c	163.9	84.2 -79.2 71.1	106.5 138.1	0.000 1.000 0.250	m25o	343.9 52.9 87.3 -25.6	91.0 343.6	1.000 0.000 0.750
l37c	171.8	84.5 -76.0 57.7	95.5 142.8	0.000 1.000 0.375	m37o	351.8 52.2 85.0 -13.8	86.2 350.7	1.000 0.000 0.625
l50c	180.0	84.7 -72.2 45.3	85.3 147.9	0.000 1.000 0.500	m50o	360.0 51.6 82.8 -1.3	82.8 359.0	1.000 0.000 0.500
l62c	188.2	85.0 -68.2 33.9	76.3 153.6	0.000 1.000 0.625	m62o	368.2 51.0 80.8 12.9	81.9 9.1	1.000 0.000 0.375
l75c	196.1	85.3 -63.8 22.6	67.8 160.5	0.000 1.000 0.750	m75o	376.1 50.6 79.0 30.0	84.6 20.8	1.000 0.000 0.250
l87c	203.4	85.8 -58.2 10.1	59.2 170.2	0.000 1.000 0.875	m87o	383.4 50.2 77.3 55.9	95.4 35.9	1.000 0.000 0.125

LE040-3N, 1

Interpretation $rgb \rightarrow olv^*$ and CIELAB data of a 48 step device hue circle
for a LECD low glossy display with the luminance reflection $L_r=0.6\%$ compared to the white reference (100%)
48 step device hue circle with six device hues **OYLCVM**: $h_{ab,a} = 43.3, 101.4, 131.4, 196.6, 305.6, 326.8$
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: $L^* = 5.0, 16.3, 27.6, 38.9, 50.2, 61.5, 72.8, 84.1, 95.4$

d_{Ma}	h_{rgb}	$[L^*, a^*, b^*, C^*, M']_{ab,ab,ab,ab,d}$	$rgb \rightarrow olv^*_{Ma}$	d_{Ma}	h_{rgb}	$[L^*, a^*, b^*, C^*, M']_{ab,ab,ab,ab,d}$	$rgb \rightarrow olv^*_{Ma}$
o00y=O	30.0	50.7 75.2 70.8 103.3 43.3	1.000 0.000 0.000	c00v=C	210.0	87.0 -45.5 -13.8 47.7 197.0	0.000 1.000 1.000
o12y	36.6	52.2 70.8 71.8 100.8 45.4	1.000 0.125 0.000	c12v	216.6	75.0 -27.3 -33.2 43.1 230.5	0.000 0.875 1.000
o25y	43.9	56.0 60.0 74.1 95.4 51.0	1.000 0.250 0.000	c25v	223.9	66.9 -13.0 -46.6 48.5 254.3	0.000 0.750 1.000
o37y	51.8	60.3 48.4 77.0 91.0 57.8	1.000 0.375 0.000	c37v	231.8	59.8 0.8 -58.2 58.3 270.8	0.000 0.625 1.000
o50y	60.0	65.0 36.3 80.7 88.5 65.7	1.000 0.500 0.000	c50v	240.0	53.4 14.9 -68.8 70.5 282.2	0.000 0.500 1.000
o62y	68.2	70.1 24.4 84.6 88.1 73.9	1.000 0.625 0.000	c62v	248.2	46.8 30.7 -79.7 85.6 291.0	0.000 0.375 1.000
o75y	76.1	75.8 11.6 89.7 90.4 82.7	1.000 0.750 0.000	c75v	256.1	40.2 48.4 -90.8 103.0 298.0	0.000 0.250 1.000
o87y	83.4	82.8 -2.5 96.3 96.3 91.6	1.000 0.875 0.000	c87v	263.4	33.8 67.3 -101.7 122.1 303.5	0.000 0.125 1.000
y00l=Y	90.0	92.9 -21.4 106.2 108.4 101.5	1.000 1.000 0.000	v00m=V	270.0	30.8 76.4 -106.7 131.3 305.6	0.000 0.000 1.000
y12l	96.6	90.1 -36.2 102.2 108.5 109.5	0.875 1.000 0.000	v12m	276.6	31.8 76.8 -105.0 130.1 306.2	0.125 0.000 1.000
y25l	103.9	88.5 -46.6 99.7 110.1 115.1	0.750 1.000 0.000	v25m	283.9	34.1 77.7 -101.1 127.6 307.5	0.250 0.000 1.000
y37l	111.8	87.2 -55.7 97.8 112.6 119.7	0.625 1.000 0.000	v37m	291.8	36.7 78.9 -96.4 124.7 309.3	0.375 0.000 1.000
y50l	120.0	86.2 -63.4 96.3 115.4 123.4	0.500 1.000 0.000	v50m	300.0	39.9 80.6 -91.0 121.6 311.5	0.500 0.000 1.000
y62l	128.2	85.4 -70.4 95.3 118.5 126.5	0.375 1.000 0.000	v62m	308.2	43.3 83.0 -85.4 119.1 314.2	0.625 0.000 1.000
y75l	136.1	84.8 -75.9 94.4 121.2 128.8	0.250 1.000 0.000	v75m	316.1	47.1 85.7 -78.7 116.4 317.4	0.750 0.000 1.000
y87l	143.4	84.1 -80.6 93.7 123.6 130.7	0.125 1.000 0.000	v87m	323.4	51.4 89.2 -71.5 114.4 321.2	0.875 0.000 1.000
l00c=L	150.0	84.1 -82.5 93.4 124.7 131.5	0.000 1.000 0.000	m00o=M	330.0	57.0 94.4 -61.5 112.7 326.9	1.000 0.000 1.000
l12c	156.6	84.1 -81.3 85.2 117.9 133.7	0.000 1.000 0.125	m12o	336.6	54.4 88.7 -37.7 96.4 336.9	1.000 0.000 0.875
l25c	163.9	84.3 -78.3 69.9 105.0 138.3	0.000 1.000 0.250	m25o	343.9	53.4 85.9 -25.1 89.5 343.6	1.000 0.000 0.750
l37c	171.8	84.5 -75.1 56.9 94.3 142.9	0.000 1.000 0.375	m37o	351.8	52.7 83.6 -13.5 84.7 350.8	1.000 0.000 0.625
l50c	180.0	84.8 -71.4 44.7 84.3 148.0	0.000 1.000 0.500	m50o	360.0	52.1 81.4 -1.3 81.4 359.0	1.000 0.000 0.500
l62c	188.2	85.0 -67.5 33.5 75.4 153.6	0.000 1.000 0.625	m62o	368.2	51.6 79.5 12.6 80.4 361.1	1.000 0.000 0.375
l75c	196.1	85.4 -63.1 22.4 67.1 160.5	0.000 1.000 0.750	m75o	376.1	51.2 77.7 28.9 82.9 20.4	1.000 0.000 0.250
l87c	203.4	85.9 -57.6 10.0 58.6 170.2	0.000 1.000 0.875	m87o	383.4	50.8 75.9 52.5 92.3 34.6	1.000 0.000 0.125

LE040-7N, 1

Interpretation $rgb \rightarrow olv^*$ and CIELAB data of a 48 step device hue circle
for a LECD low glossy display with the luminance reflection $L_r=1.2\%$ compared to the white reference (100%)
48 step device hue circle with six device hues **OYLCVM**: $h_{ab,a} = 41.1, 101.5, 131.8, 196.7, 305.0, 326.7$
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: $L^* = 10.4, 21.0, 31.7, 42.3, 52.9, 63.5, 74.2, 84.8, 95.4$

d_{Ma}	h_{rgb}	$[L^*, a^*, b^*, C^*, M']_{ab,ab,ab,ab,d}$	$rgb \rightarrow olv^*_{Ma}$	d_{Ma}	h_{rgb}	$[L^*, a^*, b^*, C^*, M']_{ab,ab,ab,ab,d}$	$rgb \rightarrow olv^*_{Ma}$
o00y=O	30.0	51.3 73.8 64.5 98.0	41.2 1.000 0.000 0.000	c00v=C	210.0 87.1 -45.1 -13.7	47.2 197.0	0.000 1.000 1.000
o12y	36.6	52.8 69.5 65.9 95.8	43.4 1.000 0.125 0.000	c12v	216.6 75.2 -27.0 -32.9	42.7 230.6	0.000 0.875 1.000
o25y	43.9	56.4 59.1 69.0 90.8	49.4 1.000 0.250 0.000	c25v	223.9 67.1 -12.8 -46.1	48.0 254.4	0.000 0.750 1.000
o37y	51.8	60.6 47.7 72.6 86.9	56.7 1.000 0.375 0.000	c37v	231.8 60.2 0.8 -57.5	57.6 270.8	0.000 0.625 1.000
o50y	60.0	65.4 35.9 76.8 84.8	65.0 1.000 0.500 0.000	c50v	240.0 53.9 14.6 -68.0	69.6 282.1	0.000 0.500 1.000
o62y	68.2	70.3 24.1 81.3 84.8	73.5 1.000 0.625 0.000	c62v	248.2 47.4 30.0 -78.6	84.2 290.8	0.000 0.375 1.000
o75y	76.1	76.0 11.4 86.7 87.5	82.5 1.000 0.750 0.000	c75v	256.1 41.1 47.0 -89.3	101.0 297.7	0.000 0.250 1.000
o87y	83.4	82.9 -2.5 93.6 93.7	91.6 1.000 0.875 0.000	c87v	263.4 35.0 64.8 -99.7	119.0 303.0	0.000 0.125 1.000
y00l=Y	90.0	92.9 -21.3 104.0 106.2	101.6 1.000 1.000 0.000	v00m=V	270.0 32.2 73.3 -104.4	127.7 305.0	0.000 0.000 1.000
y12l	96.6	90.2 -35.9 99.9 106.2	109.8 0.875 1.000 0.000	v12m	276.6 33.1 73.8 -102.7	126.6 305.7	0.125 0.000 1.000
y25l	103.9	88.6 -46.2 97.4 107.9	115.4 0.750 1.000 0.000	v25m	283.9 35.2 75.0 -99.1	124.4 307.1	0.250 0.000 1.000
y37l	111.8	87.3 -55.2 95.6 110.4	120.1 0.625 1.000 0.000	v37m	291.8 37.8 76.5 -94.7	121.8 308.9	0.375 0.000 1.000
y50l	120.0	86.3 -62.8 94.1 113.2	123.8 0.500 1.000 0.000	v50m	300.0 40.8 78.4 -89.4	119.0 311.2	0.500 0.000 1.000
y62l	128.2	85.5 -69.6 93.0 116.3	126.9 0.375 1.000 0.000	v62m	308.2 44.1 81.1 -84.0	116.8 313.9	0.625 0.000 1.000
y75l	136.1	84.9 -75.0 92.1 118.9	129.2 0.250 1.000 0.000	v75m	316.1 47.8 84.0 -77.5	114.4 317.3	0.750 0.000 1.000
y87l	143.4	84.4 -79.6 91.4 121.3	131.1 0.125 1.000 0.000	v87m	323.4 51.9 87.7 -70.6	112.6 321.1	0.875 0.000 1.000
l00c=L	150.0	84.2 -81.5 91.2 122.4	131.8 0.000 1.000 0.000	m00o=M	330.0 57.5 93.1 -60.7	111.2 326.8	1.000 0.000 1.000
l12c	156.6	84.2 -80.4 83.4 115.9	134.0 0.000 1.000 0.125	m12o	336.6 54.9 87.3 -37.1	95.0 336.9	1.000 0.000 0.875
l25c	163.9	84.4 -77.4 68.7 103.6	138.4 0.000 1.000 0.250	m25o	343.9 54.0 84.6 -24.7	88.1 343.7	1.000 0.000 0.750
l37c	171.8	84.6 -74.3 56.1 93.2	143.0 0.000 1.000 0.375	m37o	351.8 53.3 82.3 -13.2	83.4 350.8	1.000 0.000 0.625
l50c	180.0	84.8 -70.6 44.2 83.4	148.0 0.000 1.000 0.500	m50o	360.0 52.7 80.0 -1.3	80.0 359.0	1.000 0.000 0.500
l62c	188.2	85.1 -66.8 33.1 74.6	153.7 0.000 1.000 0.625	m62o	368.2 52.2 78.1 12.2	79.0 8.9	1.000 0.000 0.375
l75c	196.1	85.4 -62.5 22.2 66.4	160.5 0.000 1.000 0.750	m75o	376.1 51.7 76.3 27.9	81.2 20.1	1.000 0.000 0.250
l87c	203.4	85.9 -57.1 9.9 58.0	170.1 0.000 1.000 0.875	m87o	383.4 51.4 74.6 49.5	89.5 33.6	1.000 0.000 0.125