

Interpretation *rgb* -> *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 *OYL**CMV*: $h_{ab,a} = 34.5, 102.3, 133.6, 196.8, 302.4, 326.4$
comparison with four elementary hues *R**J**G**B*: $h_{ab,a} = 25.5, 92.3, 162.2, 271.7$, and *C'* *M'* = 217.0, 328.6
9 step equidistant grey scale: $L^* = 26.6, 35.2, 43.8, 52.4, 61.0, 69.6, 78.2, 86.8, 95.4$

<i>d</i> _{Ma}	<i>h</i> _{rgb}	[<i>L</i> *, <i>a</i> *, <i>b</i> *, <i>C</i> * <i>ab</i> , <i>h</i> _{ab}] _{MaD}	<i>rgb</i> -> <i>olv</i> * _{Ma}	<i>d</i> _{Ma}	<i>h</i> _{rgb}	[<i>L</i> *, <i>a</i> *, <i>b</i> *, <i>C</i> * <i>ab</i> , <i>h</i> _{ab}] _{MaD}	<i>rgb</i> -> <i>olv</i> * _{Ma}		
o00v=O	30.0	56.1 62.1 47.8	78.3 37.6	1.000 0.000 0.000	c00v=C	210.0 85.6 -62.5 30.5	69.6 154.0	0.000 1.000 1.000	C
o12y	36.6	57.0 59.4 49.1	77.1 39.6	1.000 0.125 0.000	c12v	216.6 68.7 -11.6 -43.5	45.2 255.0	0.000 0.875 1.000	
o25y	43.9	59.7 52.1 52.4	73.9 45.2	1.000 0.250 0.000	c25v	223.9 48.7 32.3	-76.8 83.4	0.000 0.750 1.000	
o37y	51.8	63.6 42.1 57.1	71.0 53.6	1.000 0.375 0.000	c37v	231.8 39.4 58.0	-92.2 109.1	0.000 0.625 1.000	B
o50y	60.0	68.5 30.0 63.2	70.0 64.6	1.000 0.500 0.000	c50v	240.0 40.3 60.7	-90.5 109.1	0.000 0.500 1.000	
o62y	68.2	74.2 17.1 70.1	72.1 76.3	1.000 0.625 0.000	c62v	248.2 42.4 63.4	-87.0 107.7	0.000 0.375 1.000	
o75y	76.1	81.5 1.7 78.9	78.9 88.7	1.000 0.750 0.000	c75v	256.1 44.3 65.8	-83.6 106.5	0.000 0.250 1.000	A
o87y	83.4	92.2 -18.5 91.7	93.6 101.4	1.000 0.875 0.000	c87v	263.4 45.9 67.7	-80.9 105.5	0.000 0.125 1.000	
y00l=Y	90.0	90.2 -35.3 88.2	95.1 111.9	1.000 1.000 0.000	v00m=V	270.0 46.5 68.6	-79.8 105.3	0.000 0.000 1.000	
y12l	96.6	88.7 -44.7 85.9	96.9 117.6	0.875 1.000 0.000	v12m	276.6 46.8 69.0	-79.3 105.2	0.125 0.000 1.000	M
y25l	103.9	87.9 -50.4 84.6	98.5 120.8	0.750 1.000 0.000	v25m	283.9 47.5 69.8	-78.3 105.0	0.250 0.000 1.000	
y37l	111.8	87.3 -54.5 83.8	100.0 123.1	0.625 1.000 0.000	v37m	291.8 48.3 70.9	-76.9 104.7	0.375 0.000 1.000	
y50l	120.0	86.9 -57.5 83.1	101.1 124.7	0.500 1.000 0.000	v50m	300.0 49.4 72.3	-74.9 104.2	0.500 0.000 1.000	G
y62l	128.2	86.6 -59.9 82.6	102.1 126.0	0.375 1.000 0.000	v62m	308.2 50.8 73.9	-72.6 103.7	0.625 0.000 1.000	
y75l	136.1	86.4 -61.6 82.4	102.9 126.8	0.250 1.000 0.000	v75m	316.1 52.5 76.1	-69.7 103.2	0.750 0.000 1.000	
y87l	143.4	86.3 -63.0 82.1	103.6 127.5	0.125 1.000 0.000	v87m	323.4 54.6 78.7	-66.2 102.9	0.875 0.000 1.000	
l00c=L	150.0	86.2 -63.5 82.0	103.8 127.8	0.000 1.000 0.000	m00o=M	330.0 58.5 83.8	-59.5 102.8	0.000 0.000 1.000	
l12c	156.6	86.0 -64.8 81.8	104.4 128.4	0.000 1.000 0.125	m12o	336.6 57.6 79.5	-32.2 85.8	0.000 0.000 0.875	
l25c	163.9	85.8 -67.1 81.4	105.5 129.5	0.000 1.000 0.250	m25o	343.9 56.8 76.8	-21.1 79.6	0.000 0.000 0.750	
l37c	171.8	85.5 -69.4 81.0	106.7 130.6	0.000 1.000 0.375	m37o	351.8 56.2 74.5	-10.5 75.2	0.000 0.000 0.625	
l50c	180.0	85.2 -71.8 80.5	108.0 131.8	0.000 1.000 0.500	m50o	360.0 55.7 72.1	1.9 72.1	0.000 0.000 0.500	
l62c	188.2	84.9 -74.4 80.1	109.4 132.9	0.000 1.000 0.625	m62o	368.2 55.1 69.8	17.8 72.0	0.000 0.000 0.375	
l75c	196.1	84.8 -75.7 79.9	110.1 133.5	0.000 1.000 0.750	m75o	376.1 54.6 67.1	37.9 77.1	0.000 0.000 0.250	
l87c	203.4	84.8 -74.8 72.9	104.5 135.8	0.000 1.000 0.875	m87o	383.4 55.1 64.7	46.5 79.7	0.000 0.000 0.125	

KE850-3N, 2

Interpretation *rgb* -> *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 *OYL**CMV*: $h_{ab,a} = 30.5, 103.2, 135.3, 197.0, 300.0, 326.0$
comparison with four elementary hues *R**J**G**B*: $h_{ab,a} = 25.5, 92.3, 162.2, 271.7$, and *C'* *M'* = 217.0, 328.6
9 step equidistant grey scale: $L^* = 37.9, 45.1, 52.2, 59.4, 66.6, 73.8, 81.0, 88.2, 95.4$

<i>d</i> _{Ma}	<i>h</i> _{rgb}	[<i>L</i> *, <i>a</i> *, <i>b</i> *, <i>C</i> * <i>ab</i> , <i>h</i> _{ab}] _{MaD}	<i>rgb</i> -> <i>olv</i> * _{Ma}	<i>d</i> _{Ma}	<i>h</i> _{rgb}	[<i>L</i> *, <i>a</i> *, <i>b</i> *, <i>C</i> * <i>ab</i> , <i>h</i> _{ab}] _{MaD}	<i>rgb</i> -> <i>olv</i> * _{Ma}		
o00y=O	30.0	59.1 56.2 35.1	66.3 31.9	1.000 0.000 0.000	c00v=C	210.0 86.3 -57.1 27.5	63.5 154.3	0.000 1.000 1.000	C
o12y	36.6	59.4 55.4 35.5	65.8 32.7	1.000 0.125 0.000	c12v	216.6 70.3 -9.5 -41.0	42.2 256.9	0.000 0.875 1.000	
o25y	43.9	61.5 49.8 38.5	62.9 37.7	1.000 0.250 0.000	c25v	223.9 53.4 27.6	-68.8 74.2	0.000 0.750 1.000	
o37y	51.8	64.8 41.4 43.0	59.6 46.1	1.000 0.375 0.000	c37v	231.8 46.4 45.9	-80.4 92.6	0.000 0.625 1.000	B
o50y	60.0	69.3 30.2 49.0	57.6 58.3	1.000 0.500 0.000	c50v	240.0 47.0 48.4	-79.2 92.9	0.000 0.500 1.000	
o62y	68.2	74.7 17.9 56.4	59.1 72.4	1.000 0.625 0.000	c62v	248.2 48.4 51.2	-76.8 92.4	0.000 0.375 1.000	
o75y	76.1	81.9 2.9 66.0	66.1 87.5	1.000 0.750 0.000	c75v	256.1 49.7 53.6	-74.6 91.9	0.000 0.250 1.000	A
o87y	83.4	92.6 -17.5 80.0	81.9 102.4	1.000 0.875 0.000	c87v	263.4 50.8 55.6	-72.7 91.6	0.000 0.125 1.000	
y00l=Y	90.0	90.4 -33.6 76.3	83.5 113.8	1.000 1.000 0.000	v00m=V	270.0 51.2 56.2	-72.0 91.4	0.000 0.000 1.000	M
y12l	96.6	89.0 -42.5 74.1	85.4 119.9	0.875 1.000 0.000	v12m	276.6 51.4 56.7	-71.6 91.4	0.000 0.125 1.000	
y25l	103.9	88.2 -47.8 72.7	87.1 123.4	0.750 1.000 0.000	v25m	283.9 52.0 57.8	-70.6 91.4	0.000 0.250 1.000	
y37l	111.8	87.7 -51.3 72.0	88.5 125.5	0.625 1.000 0.000	v37m	291.8 52.7 59.2	-69.5 91.3	0.000 0.375 1.000	M
y50l	120.0	87.3 -54.1 71.4	89.6 127.2	0.500 1.000 0.000	v50m	300.0 53.7 60.8	-67.9 91.3	0.000 0.500 1.000	
y62l	128.2	87.1 -56.1 71.0	90.6 128.4	0.375 1.000 0.000	v62m	308.2 54.9 62.9	-65.8 91.1	0.000 0.625 1.000	
y75l	136.1	86.9 -57.6 70.7	91.3 129.2	0.250 1.000 0.000	v75m	316.1 56.3 65.4	-63.3 91.0	0.000 0.750 1.000	M
y87l	143.4	86.7 -58.8 70.5	91.9 129.9	0.125 1.000 0.000	v87m	323.4 58.2 68.6	-60.2 91.3	0.000 0.875 1.000	
l00c=L	150.0	86.7 -59.3 70.4	92.1 130.1	0.000 1.000 0.000	m00o=M	330.0 61.7 74.3	-54.4 92.1	0.000 0.000 1.000	M
l12c	156.6	86.6 -60.1 70.2	92.5 130.6	0.000 1.000 0.125	m12o	336.6 61.1 70.5	-28.7 76.2	0.000 0.000 0.875	
l25c	163.9	86.3 -61.8 69.9	93.3 131.5	0.000 1.000 0.250	m25o	343.9 60.4 67.8	-18.3 70.3	0.000 0.000 0.750	
l37c	171.8	86.1 -63.7 69.5	94.3 132.5	0.000 1.000 0.375	m37o	351.8 59.9 65.6	-8.8 66.2	0.000 0.000 0.625	M
l50c	180.0	85.8 -65.6 69.2	95.4 133.5	0.000 1.000 0.500	m50o	360.0 59.4 63.4	1.6 63.4	0.000 0.000 0.500	
l62c	188.2	85.6 -67.8 68.7	96.6 134.6	0.000 1.000 0.625	m62o	368.2 59.0 61.2	13.9 62.7	0.000 0.000 0.375	
l75c	196.1	85.5 -68.9 68.6	97.3 135.2	0.000 1.000 0.750	m75o	376.1 58.6 59.0	27.2 65.0	0.000 0.000 0.250	M
l87c	203.4	85.5 -68.1 63.4	93.1 137.1	0.000 1.000 0.875	m87o	383.4 58.6 57.7	34.3 67.1	0.000 0.000 0.125	

KE850-7N, 2

Interpretation *rgb* -> *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 *OYL**CMV*: $h_{ab,a} = 26.5, 104.5, 137.5, 197.4, 296.7, 325.4$
comparison with four elementary hues *R**J**G**B*: $h_{ab,a} = 25.5, 92.3, 162.2, 271.7$, and *C'* *M'* = 217.0, 328.6
9 step equidistant grey scale: $L^* = 51.9, 57.4, 62.8, 68.2, 73.7, 79.1, 84.5, 90.0, 95.4$

<i>d</i> _{Ma}	<i>h</i> _{rgb}	[<i>L</i> *, <i>a</i> *, <i>b</i> *, <i>C</i> * <i>ab</i> , <i>h</i> _{ab}] _{MaD}	<i>rgb</i> -> <i>olv</i> * _{Ma}		<i>d</i> _{Ma}	<i>h</i> _{rgb}	[<i>L</i> *, <i>a</i> *, <i>b</i> *, <i>C</i> * <i>ab</i> , <i>h</i> _{ab}] _{MaD}	<i>rgb</i> -> <i>olv</i> * _{Ma}	
o00y=O	30.0	65.4 44.4 22.4	49.7	26.8	1.000 0.000 0.000	c00v=C	210.0 87.6 -47.2 22.3	52.3 154.8	0.000 1.000 1.000
o12y	36.6	65.6 43.8 22.7	49.3	27.4	1.000 0.125 0.000	c12v	216.6 73.6 -6.2 -35.5	36.2 260.0	0.000 0.875 1.000
o25y	43.9	66.5 41.6 24.1	48.1	30.1	1.000 0.250 0.000	c25v	223.9 61.4 20.6	-55.5 59.3	290.3 0.000 0.750 1.000
o37y	51.8	68.8 35.8 27.4	45.1	37.4	1.000 0.375 0.000	c37v	231.8 57.0 31.3	-62.6 70.0	296.5 0.000 0.625 1.000
o50y	60.0	72.3 27.4 32.6	42.6	49.9	1.000 0.500 0.000	c50v	240.0 57.3 33.0	-62.0 70.3	298.0 0.000 0.500 1.000
o62y	68.2	76.7 17.1 38.9	42.5	66.2	1.000 0.625 0.000	c62v	248.2 58.1 35.3	-60.7 70.3	300.1 0.000 0.375 1.000
o75y	76.1	83.2 3.9 48.4	48.5	85.4	1.000 0.750 0.000	c75v	256.1 58.8 37.2	-59.4 70.2	302.0 0.000 0.250 1.000
o87y	83.4	93.2 -15.5 62.5	64.4	104.0	1.000 0.875 0.000	c87v	263.4 59.4 38.7	-58.4 70.2	303.5 0.000 0.125 1.000
y00l=Y	90.0	90.9 -29.7 58.7	65.9	116.9	1.000 1.000 0.000	v00m=V	270.0 59.6 39.3	-58.1 70.2	304.0 0.000 0.000 1.000
y12l	96.6	89.6 -37.2 56.7	67.9	123.4	0.875 1.000 0.000	v12m	276.6 59.8 39.7	-57.8 70.2	304.4 0.125 0.000 1.000
y25l	103.9	89.0 -41.4 55.6	69.4	126.7	0.750 1.000 0.000	v25m	283.9 60.1 40.7	-57.1 70.2	305.4 0.250 0.000 1.000
y37l	111.8	88.6 -44.3 54.9	70.6	129.0	0.625 1.000 0.000	v37m	291.8 60.7 42.1	-56.3 70.3	306.7 0.375 0.000 1.000
y50l	120.0	88.3 -46.3 54.4	71.5	130.5	0.500 1.000 0.000	v50m	300.0 61.3 43.8	-55.2 70.6	308.4 0.500 0.000 1.000
y62l	128.2	88.0 -47.9 54.1	72.3	131.6	0.375 1.000 0.000	v62m	308.2 62.2 46.0	-53.7 70.8	310.5 0.625 0.000 1.000
y75l	136.1	87.9 -49.0 53.8	72.9	132.4	0.250 1.000 0.000	v75m	316.1 63.3 48.7	-51.8 71.1	313.2 0.750 0.000 1.000
y87l	143.4	87.8 -49.9 53.7	73.3	133.0	0.125 1.000 0.000	v87m	323.4 64.7 52.2	-49.4 71.9	316.5 0.875 0.000 1.000
l00c=L	150.0	87.7 -50.1 53.6	73.4	133.1	0.000 1.000 0.000	m00o=M	330.0 67.4 58.3	-45.0 73.7	322.2 1.000 0.000 1.000
l12c	156.6	87.7 -50.6 53.5	73.7	133.4	0.000 1.000 0.125	m12o	336.6 67.3 55.7	-22.7 60.2	337.7 1.000 0.000 0.875
l25c	163.9	87.5 -51.6 53.3	74.3	134.2	0.000 1.000 0.250	m25o	343.9 66.7 53.2	-13.9 55.0	345.2 1.000 0.000 0.750
l37c	171.8	87.3 -52.9 53.0	74.9	135.0	0.000 1.000 0.375	m37o	351.8 66.4 51.2	-6.4 51.6	352.8 1.000 0.000 0.625
l50c	180.0	87.1 -54.2 52.7	75.7	135.9	0.000 1.000 0.500	m50o	360.0 66.0 49.2	1.2 49.2	1.4 1.000 0.000 0.500
l62c	188.2	86.9 -55.8 52.4	76.6	136.9	0.000 1.000 0.625	m62o	368.2 65.7 47.4	9.2 48.3	11.0 1.000 0.000 0.375
l75c	196.1	86.8 -56.6 52.2	77.1	137.4	0.000 1.000 0.750	m75o	376.1 65.5 45.8	16.7 48.8	20.0 1.000 0.000 0.250
l87c	203.4	86.9 -56.0 49.0	74.5	138.9	0.000 1.000 0.875	m87o	383.4 65.3 44.8	21.4 49.6	25.5 1.000 0.000 0.125

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