

Interpretation *rgb* -> *rgb** and CIELAB data of a 48 step elementary hue circle for a LECD low glossy display with the luminance reflection $L_{*}=0\%$ compared to the white reference (100%)

48 step elementary hue circle with hues: *RJGB*: $h_{ab,a} = 25.5, 92.3, 162.2, 217.7$, and *C' M'* = 217.0, 328.6

comparison with six device hues *OYLCVM*: $h_{ab,a} = 46.0, 101.2, 131.0, 196.6, 306.1, 326.8$

9 step equidistant grey scale: $L^{*} = 0.0, 11.9, 23.9, 35.8, 47.7, 59.6, 71.6, 83.5, 95.4$

<i>u</i> [*] <i>Ma</i>	<i>h</i> _{rgb}	[<i>L</i> [*] , <i>a</i> [*] , <i>b</i> [*] , <i>C</i> [*] _{ab} , <i>h</i> _{ab} <i>Ma</i> _e	<i>rgb</i> -> <i>rgb</i> [*] <i>Ma</i>	<i>u</i> [*] <i>Ma</i>	<i>h</i> _{rgb}	[<i>L</i> [*] , <i>a</i> [*] , <i>b</i> [*] , <i>C</i> [*] _{ab} , <i>h</i> _{ab} <i>Ma</i> _e	<i>rgb</i> -> <i>rgb</i> [*] <i>Ma</i>
r00]=R	30.0	50.5 79.3 37.8 87.9 25.5	1.000 0.000 0.000	c'00b=C'	210.0	79.7 -36.1 -27.2 45.3 217.0	0.000 1.000 1.000
r12]	36.6	50.3 78.0 52.3 93.9 33.8	1.000 0.125 0.000	c'12b	216.6 77.2 -31.6 -30.6 44.4 223.8	0.000 0.875 1.000	
r25]	43.9	50.1 77.6 70.3 104.7 42.2	1.000 0.250 0.000	c'25b	223.9 74.8 -27.6 -33.7 43.6 230.7	0.000 0.750 1.000	
r37]	51.8	53.6 66.5 80.8 104.6 50.5	1.000 0.375 0.000	c'37b	231.0 72.4 -24.2 -38.0 45.2 237.5	0.000 0.625 1.000	
r50]	60.0	59.6 49.8 82.6 96.5 58.9	1.000 0.500 0.000	c'50b	240.0 70.0 -20.1 -42.0 46.7 244.4	0.000 0.500 1.000	
r62]	68.2	65.1 35.9 85.6 92.8 67.2	1.000 0.625 0.000	c'62b	248.2 67.6 -15.4 -45.6 48.2 251.2	0.000 0.375 1.000	
r75]	76.1	70.6 22.9 89.3 92.2 75.6	1.000 0.750 0.000	c'75b	256.1 64.9 -10.5 -50.1 51.3 258.0	0.000 0.250 1.000	
r87]	83.4	76.5 9.9 93.9 94.4 84.0	1.000 0.875 0.000	c'87b	263.4 62.0 -4.8 -55.0 55.3 264.9	0.000 0.125 1.000	
j00g]=J	90.0	83.5 -3.9 100.0 100.1 92.3	1.000 1.000 0.000	b00m'=B	270.0 58.9 1.8 -59.8 59.9 271.7	0.000 0.000 1.000	
j12g]	96.6	92.7 -21.1 108.5 110.6 101.1	0.875 1.000 0.000	b12m'	276.6 54.8 10.4 -66.7 67.7 278.8	0.125 0.000 1.000	
j25g]	103.9	89.9 -37.5 104.4 111.0 109.8	0.750 1.000 0.000	b25m'	283.9 50.1 21.4 -74.6 77.7 286.0	0.250 0.000 1.000	
j37g]	111.8	87.4 -54.6 100.6 114.5 118.5	0.625 1.000 0.000	b37m'	291.8 44.3 35.9 -84.1 91.5 293.1	0.375 0.000 1.000	
j50g]	120.0	85.0 -73.9 97.3 122.3 127.3	0.500 1.000 0.000	b50m'	300.0 37.1 56.1 -96.4 111.6 300.2	0.500 0.000 1.000	
j62g]	128.2	84.2 -80.8 78.1 112.5 136.0	0.375 1.000 0.000	b62m'	308.2 31.5 80.3 -105.4 132.6 307.3	0.625 0.000 1.000	
j75g]	136.1	84.5 -74.7 52.9 91.6 144.7	0.250 1.000 0.000	b75m'	316.1 42.5 85.0 -86.7 121.4 314.4	0.750 0.000 1.000	
j87g]	143.4	85.0 -68.3 34.1 76.5 153.5	0.125 1.000 0.000	b87m'	323.4 51.0 90.9 -72.2 116.1 321.5	0.875 0.000 1.000	
g00c'=G	150.0	85.4 -63.0 20.2 66.2 162.2	0.000 1.000 0.000	m'00r=M	330.0 56.1 95.1 -58.0 111.5 328.6	1.000 0.000 1.000	
g12c'	156.6	85.7 -58.9 11.4 60.1 169.1	0.000 1.000 0.125	m'12r	336.6 54.2 91.0 -61.0 99.8 335.7	1.000 0.000 0.875	
g25c'	163.9	86.1 -56.6 4.0 56.8 175.9	0.000 1.000 0.250	m'25r	343.9 53.0 87.7 -27.0 91.8 342.8	1.000 0.000 0.750	
g37c'	171.8	86.4 -53.8 -2.5 53.9 182.8	0.000 1.000 0.375	m'37r	351.8 52.3 85.3 -15.0 86.7 349.9	1.000 0.000 0.625	
g50c'	180.0	86.7 -50.3 -8.4 51.1 189.6	0.000 1.000 0.500	m'50r	360.0 51.7 83.4 -4.2 83.6 357.0	1.000 0.000 0.500	
g62c'	188.2	87.1 -46.2 -13.6 48.2 196.4	0.000 1.000 0.625	m'62r	368.2 51.3 82.1 6.0 82.3 4.2	1.000 0.000 0.375	
g75c'	196.1	84.6 -43.3 -18.6 47.2 203.3	0.000 1.000 0.750	m'75r	376.1 51.0 80.8 16.1 82.4 11.3	1.000 0.000 0.250	
g87c'	203.4	82.2 -39.9 -23.1 46.3 210.1	0.000 1.000 0.875	m'87r	383.4 50.7 79.7 26.5 83.9 18.4	1.000 0.000 0.125	

KE800-3X, 1

Interpretation *rgb* -> *rgb** and CIELAB data of a 48 step elementary hue circle for a LECD low glossy display with the luminance reflection $L_{*}=0.6\%$ compared to the white reference (100%)

48 step elementary hue circle with hues: *RJGB*: $h_{ab,a} = 25.5, 92.3, 162.2, 217.7$, and *C' M'* = 217.0, 328.6

comparison with six device hues *OYLCVM*: $h_{ab,a} = 43.3, 101.4, 131.4, 196.6, 305.6, 326.8$

9 step equidistant grey scale: $L^{*} = 5.0, 16.3, 27.6, 38.9, 50.2, 61.5, 72.8, 84.1, 95.4$

<i>u</i> [*] <i>Ma</i>	<i>h</i> _{rgb}	[<i>L</i> [*] , <i>a</i> [*] , <i>b</i> [*] , <i>C</i> [*] _{ab} , <i>h</i> _{ab} <i>Ma</i> _e	<i>rgb</i> → <i>rgb</i> [*] <i>Ma</i>	<i>u</i> [*] <i>Ma</i>	<i>h</i> _{rgb}	[<i>L</i> [*] , <i>a</i> [*] , <i>b</i> [*] , <i>C</i> [*] _{ab} , <i>h</i> _{ab} <i>Ma</i> _e	<i>rgb</i> → <i>rgb</i> [*] <i>Ma</i>
r00]=R	30.0	51.1 77.8 37.1 86.2 25.5	1.000 0.000 0.000	c'00b=C'	210.0	79.9 -35.8 -26.9 44.9 217.0	0.000 1.000 1.000
r12]	36.6	50.8 76.2 51.1 91.7 33.8	1.000 0.125 0.000	c'12b	216.6 77.4 -31.6 -30.3 44.0 223.8	0.000 0.875 1.000	
r25]	43.9	50.7 75.5 68.4 101.9 42.2	1.000 0.250 0.000	c'25b	223.9 75.0 -27.3 -33.3 43.2 230.7	0.000 0.750 1.000	
r37]	51.8	55.7 60.9 73.9 95.8 50.5	1.000 0.375 0.000	c'37b	231.8 72.6 -23.9 -37.6 44.7 237.5	0.000 0.625 1.000	
r50]	60.0	60.9 46.8 77.6 90.7 58.9	1.000 0.500 0.000	c'50b	240.0 70.3 -19.9 -41.6 46.2 244.4	0.000 0.500 1.000	
r62]	68.2	66.0 34.2 81.5 88.4 67.2	1.000 0.625 0.000	c'62b	248.2 67.9 -15.3 -45.1 47.7 251.2	0.000 0.375 1.000	
r75]	76.1	71.2 22.0 85.8 88.5 75.6	1.000 0.750 0.000	c'75b	256.1 65.3 -10.4 -49.5 50.7 258.0	0.000 0.250 1.000	
r87]	83.4	76.8 9.6 90.8 91.3 84.0	1.000 0.875 0.000	c'87b	263.4 62.3 -4.8 -54.4 54.7 264.9	0.000 0.125 1.000	
j00g]=J	90.0	83.5 -3.8 97.1 97.2 92.3	1.000 1.000 0.000	b'00m'=B	270.0 59.3 1.8 -59.1 59.3 271.7	0.000 0.000 1.000	
j12g]	96.6	92.6 -20.6 106.0 108.0 101.1	0.875 1.000 0.000	b12m'	276.6 55.3 10.3 -66.0 66.9 278.8	0.125 0.000 0.875	
j25g]	103.9	90.1 -36.6 102.1 108.5 109.8	0.750 1.000 0.000	b25m'	283.9 50.6 21.1 -73.8 76.9 286.0	0.250 0.000 1.000	
j37g]	111.8	87.6 -53.4 98.4 112.0 118.5	0.625 1.000 0.000	b37m'	291.8 44.9 35.5 -83.2 90.6 293.1	0.375 0.000 1.000	
j50g]	120.0	85.2 -72.2 95.0 119.4 127.3	0.500 1.000 0.000	b50m'	300.0 37.7 55.5 -95.4 110.5 300.2	0.500 0.000 1.000	
j62g]	128.2	84.2 -80.0 77.4 111.4 136.0	0.375 1.000 0.000	b62m'	308.2 33.7 77.6 -101.8 128.1 307.3	0.625 0.000 1.000	
j75g]	136.1	84.6 -73.9 52.3 90.7 144.7	0.250 1.000 0.000	b75m'	316.1 43.5 83.2 -84.9 118.9 314.4	0.750 0.000 1.000	
j87g]	143.4	85.0 -67.6 33.8 75.7 153.5	0.125 1.000 0.000	b87m'	323.4 51.6 89.5 -71.1 114.3 321.5	0.875 0.000 1.000	
g'00c'=G	150.0	85.5 -62.3 20.0 65.5 162.2	0.000 1.000 0.000	m'00r=M	330.0 56.6 93.8 -57.1 109.9 328.6	1.000 0.000 1.000	
g12c'	156.6	85.8 -58.3 11.3 59.4 169.1	0.000 1.000 0.125	m'12r	336.6 54.7 89.6 -60.4 98.3 335.7	1.000 0.000 0.875	
g25c'	163.9	86.1 -56.0 4.0 56.2 175.9	0.000 1.000 0.250	m'25r	343.9 53.6 86.3 -26.6 90.3 342.8	1.000 0.000 0.750	
g37c'	171.8	86.5 -53.3 -2.5 53.4 182.8	0.000 1.000 0.375	m'37r	351.8 52.8 84.0 -14.8 85.3 349.9	1.000 0.000 0.625	
g50c'	180.0	86.8 -49.8 -8.3 50.6 189.6	0.000 1.000 0.500	m'50r	360.0 52.3 82.1 -4.1 82.2 357.0	1.000 0.000 0.500	
g62c'	188.2	87.1 -45.7 -13.4 47.8 196.4	0.000 1.000 0.625	m'62r	368.2 51.9 80.7 5.9 80.9 4.2	1.000 0.000 0.375	
g75c'	196.1	84.7 -42.9 -18.4 46.8 203.3	0.000 1.000 0.750	m'75r	376.1 51.5 79.4 15.8 80.9 11.3	1.000 0.000 0.250	
g87c'	203.4	82.3 -39.6 -22.9 45.9 210.1	0.000 1.000 0.875	m'87r	383.4 51.3 78.2 26.0 82.4 18.4	1.000 0.000 0.125	

KE800-7X, 1

Interpretation *rgb* -> *rgb** and CIELAB data of a 48 step elementary hue circle for a LECD low glossy display with the luminance reflection $L_{*}=1.2\%$ compared to the white reference (100%)

48 step elementary hue circle with hues: *RJGB*: $h_{ab,a} = 25.5, 92.3, 162.2, 217.7$, and *C' M'* = 217.0, 328.6

comparison with six device hues *OYLCVM*: $h_{ab,a} = 41.1, 101.5, 131.8, 196.7, 305.0, 326.7$

9 step equidistant grey scale: $L^{*} = 10.4, 21.0, 31.7, 42.3, 52.9, 63.5, 74.2, 84.8, 95.4$

<i>u</i> [*] <i>Ma</i>	<i>h</i> _{rgb}	[<i>L</i> [*] , <i>a</i> [*] , <i>b</i> [*] , <i>C</i> [*] _{ab} , <i>h</i> _{ab} <i>Ma</i> _e	<i>rgb</i> → <i>rgb</i> [*] <i>Ma</i>	<i>u</i> [*] <i>Ma</i>	<i>h</i> _{rgb}	[<i>L</i> [*] , <i>a</i> [*] , <i>b</i> [*] , <i>C</i> [*] _{ab} , <i>h</i> _{ab} <i>Ma</i> _e	<i>rgb</i> → <i>rgb</i> [*] <i>Ma</i>	
r00]=R	30.0	51.6 76.3 36.4 84.5 25.5	1.000 0.000 0.000	O	c'00b=C'	210.0	80.0 -35.4 -26.7 44.5 217.0	0.000 1.000 1.000
r12]	36.6	51.4 74.6 50.0 89.8 33.8	1.000 0.125 0.000		c'12b	216.6	77.6 -31.3 -30.0 43.5 223.8	0.000 0.875 1.000
r25]	43.9	51.9 71.9 65.2 97.0 42.2	1.000 0.250 0.000		c'25b	223.9	75.2 -27.0 -32.9 42.7 230.7	0.000 0.750 1.000
r37]	51.8	57.1 57.3 69.6 90.2 50.5	1.000 0.375 0.000		c'37b	231.8	72.9 -23.6 -37.2 44.2 237.5	0.000 0.625 1.000
r50]	60.0	61.9 44.6 73.9 86.3 58.9	1.000 0.500 0.000		c'50b	240.0	70.5 -19.7 -41.1 45.7 244.4	0.000 0.500 1.000
r62]	68.2	66.7 32.8 78.2 84.8 67.2	1.000 0.625 0.000		c'62b	248.2	68.2 -15.1 -44.6 47.2 251.2	0.000 0.375 1.000
r75]	76.1	71.6 21.2 82.7 85.4 75.6	1.000 0.750 0.000		c'75b	256.1	65.6 -10.3 -48.9 50.1 258.0	0.000 0.250 1.000
r87]	83.4	77.1 9.3 88.0 88.5 84.0	1.000 0.875 0.000		c'87b	263.4	62.7 -4.7 -53.8 54.1 264.9	0.000 0.125 1.000
j00g]=J	90.0	83.6 -3.7 94.5 94.6 92.3	1.000 1.000 0.000	Y	b'00m'=B	270.0	59.7 1.8 -58.5 58.6 271.7	0.000 0.000 1.000
j12g]	96.6	92.4 -20.1 103.6 105.6 101.1	0.875 1.000 0.000		b12m'	276.6	55.7 10.2 -65.2 66.1 278.8	0.125 0.000 1.000
j25g]	103.9	90.2 -35.9 99.9 106.2 109.8	0.750 1.000 0.000		b25m'	283.9	51.1 20.9 -73.0 76.0 286.0	0.250 0.000 1.000
j37g]	111.8	87.7 -52.2 96.3 109.6 118.5	0.625 1.000 0.000		b37m'	291.8	45.4 35.1 -82.4 89.6 293.1	0.375 0.000 1.000
j50g]	120.0	85.4 -70.6 92.9 116.7 127.3	0.500 1.000 0.000		b50m'	300.0	38.3 55.0 -94.4 109.3 300.2	0.500 0.000 1.000
j62g]	128.2	84.3 -79.3 76.6 110.3 136.0	0.375 1.000 0.000		b62m'	308.2	35.5 75.2 -98.7 124.1 307.3	0.625 0.000 1.000
j75g]	136.1	84.7 -73.2 51.8 89.7 144.7	0.250 1.000 0.000		b75m'	316.1	44.6 81.5 -88.1 116.5 314.4	0.750 0.000 1.000
j87g]	143.4	85.1 -66.9 33.4 74.9 153.5	0.125 1.000 0.000		b87m'	323.4	52.3 88.1 -70.0 112.5 321.5	0.875 0.000 1.000
g'00c'=G	150.0	85.5 -61.7 19.8 64.9 162.2	0.000 1.000 0.000	M	m'00r=M	330.0	57.0 92.5 -56.3 108.3 328.6	1.000 0.000 1.000
g12c'	156.6	85.9 -57.7 11.2 58.8 169.1	0.000 1.000 0.125		m'12r	336.6	55.2 88.3 -39.7 96.8 335.7	1.000 0.000 0.875
g25c'	163.9	86.2 -55.4 4.0 55.7 175.9	0.000 1.000 0.250		m'25r	343.9	54.1 85.0 -26.2 88.9 342.8	1.000 0.000 0.750
g37c'	171.8	86.5 -52.7 -2.4 52.9 182.8	0.000 1.000 0.375		m'37r	351.8	53.4 82.6 -14.6 83.9 349.9	1.000 0.000 0.625
g50c'	180.0	86.9 -49.3 -8.3 50.1 189.6	0.000 1.000 0.500		m'50r	360.0	52.8 80.7 -4.1 80.8 357.0	1.000 0.000 0.500
g62c'	188.2	87.2 -45.3 -13.3 47.4 196.4	0.000 1.000 0.625		m'62r	368.2	52.4 79.3 5.8 79.5 4.2	1.000 0.000 0.375
g75c'	196.1	84.8 -42.5 -18.2 46.4 203.3	0.000 1.000 0.750		m'75r	376.1	52.1 78.0 15.5 79.5 11.3	1.000 0.000 0.250
g87c'	203.4	82.4 -39.2 -22.7 45.4 210.1	0.000 1.000 0.875		m'87r	383.4	51.8 76.7 25.5 80.8 18.4	1.000 0.000 0.125