

Interpretation $rgb \rightarrow rgb^*$ and CIELAB data of a 48 step elementary hue circle for a LECD low glossy display with the luminance reflection $L_r=5\%$ 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 $OYLCVM: h_{ab,a} = 34.5, 102.3, 133.6, 196.8, 302.4, 326.4$
9 step equidistant grey scale: $L^* = 26.6, 35.2, 43.8, 52.4, 61.0, 69.6, 78.2, 86.8, 95.4$

u^*Ma	h_{rgb}	$[L^*, a^*, b^*, C^*]_{ab/ab}Ma_{ae}$	$rgb \rightarrow rgb^*Ma$	u^*Ma	h_{rgb}	$[L^*, a^*, b^*, C^*]_{ab/ab}Ma_{ae}$	$rgb \rightarrow rgb^*Ma$
r00=R	30.0	54.8 68.1 32.4 75.4 25.5	1.000 0.000 0.000	c*00b=C	210.0	80.9 -33.4 -25.1 41.9	217.0 0.000 1.000 1.000
r12J	36.6	54.6 66.6 44.6 80.1 33.8	1.000 0.125 0.000	c*12b	216.6	78.7 -29.5 -28.3 41.0	223.8 0.000 0.875 1.000
r25J	43.9	58.3 55.9 50.6 75.4 44.2	1.000 0.250 0.000	c*25b	223.9	76.4 -25.3 -30.9 40.1	230.7 0.000 0.750 1.000
r37J	51.8	62.2 45.6 55.4 71.8 50.5	1.000 0.375 0.000	c*37b	231.8	74.3 -22.2 -34.9 41.4	237.5 0.000 0.625 1.000
r50J	60.0	65.9 36.2 60.1 70.2 58.9	1.000 0.500 0.000	c*50b	240.0	74.0 -21.4 -38.5 42.8	244.4 0.000 0.500 1.000
r62J	68.2	69.8 27.1 64.7 70.2 67.2	1.000 0.625 0.000	c*62b	248.2	69.9 -14.2 -41.8 44.3	251.2 0.000 0.375 1.000
r75J	76.1	73.9 17.9 69.6 71.9 75.6	1.000 0.750 0.000	c*75b	256.1	67.5 -9.6 -45.7 44.6	258.0 0.000 0.250 1.000
r87J	83.4	78.5 8.0 75.1 75.6 84.0	1.000 0.875 0.000	c*87b	263.4	64.8 -4.4 -50.3 50.6	264.9 0.000 0.125 1.000
j00G=J	90.0	84.0 -3.2 81.7 81.8 92.3	1.000 1.000 0.000	b00m=B	270.0	62.0 1.7 -54.7 54.8	271.7 0.000 0.000 1.000
j12G	96.6	91.9 -17.7 91.4 93.1 101.1	0.875 1.000 0.000	b12m'	276.6	58.3 9.5 -60.9 61.7	278.8 0.125 0.000 1.000
j25G	103.9	90.8 -32.0 89.2 94.8 109.8	0.750 1.000 0.000	b25m'	283.9	53.9 19.5 -68.2 71.0	286.0 0.250 0.000 1.000
j37G	111.8	88.5 -46.4 85.5 97.4 118.5	0.625 1.000 0.000	b37m'	291.8	48.5 32.9 -77.1 83.9	293.1 0.375 0.000 1.000
j50G	120.0	86.3 -62.2 82.2 103.3 127.3	0.500 1.000 0.000	b50m'	300.0	41.7 51.4 -88.4 102.3	300.2 0.500 0.000 1.000
j62G	128.2	84.8 -74.7 72.2 104.0 136.0	0.375 1.000 0.000	b62m'	308.2	43.5 64.8 -85.0 106.9	307.3 0.625 0.000 1.000
j75G	136.1	85.2 -68.7 48.6 84.3 144.7	0.250 1.000 0.000	b75m'	316.1	49.8 72.8 -74.3 104.1	314.4 0.750 0.000 1.000
j87G	143.4	85.6 -62.8 31.4 70.3 153.5	0.125 1.000 0.000	b87m'	323.4	55.9 80.5 -63.9 102.8	321.5 0.875 0.000 1.000
g00c=G	150.0	86.6 -57.9 18.6 60.9	162.2 0.000 1.000 0.000	m*00r=M	330.0	59.6 84.9 -51.7 99.5	328.6 1.000 0.000 1.000
g12c	156.6	86.3 -54.2 10.5 55.3	169.1 0.000 1.000 0.125	m*12r	336.6	58.0 80.7 -36.3 88.5	335.7 1.000 0.000 0.875
g25c	163.9	86.6 -52.2 3.7 52.4	175.9 0.000 1.000 0.250	m*25r	343.9	57.0 77.4 -23.8 81.0	342.8 1.000 0.000 0.750
g37c	171.8	86.9 -49.7 -2.3 49.9	182.8 0.000 1.000 0.375	m*37r	351.8	56.4 75.1 -13.2 76.2	349.9 1.000 0.000 0.625
g50c	180.0	87.3 -46.6 -7.8 47.3	189.6 0.000 1.000 0.500	m*50r	360.0	55.9 73.1 -3.7 73.2	357.0 1.000 0.000 0.500
g62c	188.2	87.6 -42.9 -12.6 44.8	196.4 0.000 1.000 0.625	m*62r	368.2	55.5 71.6 5.2 71.8	4.2 1.000 0.000 0.375
g75c	196.1	85.4 -40.1 -17.2 43.8	203.3 0.000 1.000 0.750	m*75r	376.1	55.2 70.3 14.0 71.6	11.3 1.000 0.000 0.250
g87c	203.4	83.2 -37.0 -21.4 42.9	210.1 0.000 1.000 0.875	m*87r	383.4	55.0 68.8 22.8 72.5	18.4 1.000 0.000 0.125

LE010-3N, 2

Interpretation $rgb \rightarrow rgb^*$ and CIELAB data of a 48 step elementary hue circle for a LECD low glossy display with the luminance reflection $L_r=20\%$ 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 $OYLCVM: h_{ab,a} = 26.5, 104.5, 137.5, 197.4, 296.7, 325.4$
9 step equidistant grey scale: $L^* = 51.9, 57.4, 62.8, 68.2, 73.7, 79.1, 84.5, 90.0, 95.4$

u^*Ma	h_{rgb}	$[L^*, a^*, b^*, C^*]_{ab/ab}Ma_{ae}$	$rgb \rightarrow rgb^*Ma$	u^*Ma	h_{rgb}	$[L^*, a^*, b^*, C^*]_{ab/ab}Ma_{ae}$	$rgb \rightarrow rgb^*Ma$
r00=R	30.0	65.3 44.8 21.3 49.6 25.5	1.000 0.000 0.000	c*00b=C	210.0	84.3 -25.9 -19.5 32.6	217.0 0.000 1.000 1.000
r12J	36.6	67.7 38.5 25.8 46.4 33.8	1.000 0.125 0.000	c*12b	216.0	82.6 -22.8 -21.9 31.8	223.8 0.000 0.875 1.000
r25J	43.9	70.1 32.5 29.4 43.8 42.2	1.000 0.250 0.000	c*25b	223.9	80.9 -19.5 -23.9 31.0	230.7 0.000 0.750 1.000
r37J	51.8	72.4 27.0 32.8 42.5	50.5 1.000 0.375 0.000	c*37b	231.8	79.2 -16.8 -26.5 31.5	237.5 0.000 0.625 1.000
r50J	60.0	74.7 21.8 36.1 42.2	58.9 1.000 0.500 0.000	c*50b	240.0	77.6 -14.0 -29.3 32.6	244.4 0.000 0.500 1.000
r62J	68.2	77.0 16.5 39.3 42.6	67.2 1.000 0.625 0.000	c*62b	248.2	76.0 -10.8 -31.8 33.7	251.2 0.000 0.375 1.000
r75J	76.1	79.6 11.1 43.2 44.6	75.6 1.000 0.750 0.000	c*75b	256.1	74.2 -7.2 -34.5 35.4	258.0 0.000 0.250 1.000
r87J	83.4	82.6 5.0 47.5 47.7	84.0 1.000 0.875 0.000	c*87b	263.4	72.2 -3.3 -37.9 38.2	264.9 0.000 0.125 1.000
j00G=J	90.0	86.0 -2.0 52.2 52.2	92.3 1.000 1.000 0.000	b00m=B	270.0	70.0 1.3 -41.3 41.4	271.7 0.000 0.000 1.000
j12G	96.6	91.3 -11.7 60.2 61.3	101.1 0.875 1.000 0.000	b12m'	276.6	67.3 7.1 -45.8 46.4	278.8 0.125 0.000 1.000
j25G	103.9	92.3 -21.9 61.3 65.1	109.8 0.750 1.000 0.000	b25m'	283.9	63.9 14.7 -51.3 53.4	286.0 0.250 0.000 1.000
j37G	111.8	90.6 -31.1 58.2 66.3	118.5 0.625 1.000 0.000	b37m'	291.8	59.6 24.9 -58.3 63.5	293.1 0.375 0.000 1.000
j50G	120.0	88.9 -42.5 55.4 69.7	127.3 0.500 1.000 0.000	b50m'	300.0	50.1 35.3 -60.6 70.3	300.2 0.500 0.000 1.000
j62G	128.2	87.1 -54.4 52.6 75.8	136.0 0.375 1.000 0.000	b62m'	308.2	60.9 42.7 -55.9 70.4	307.3 0.625 0.000 1.000
j75G	136.1	87.1 -52.4 37.1 64.3	144.7 0.250 1.000 0.000	b75m'	316.1	63.8 49.9 -50.9 71.4	314.4 0.750 0.000 1.000
j87G	143.4	87.5 -47.8 23.9 53.5	153.5 0.125 1.000 0.000	b87m'	323.4	67.0 57.5 -45.6 73.4	321.5 0.875 0.000 1.000
g00c=G	150.0	87.8 -44.1 14.2 46.5	162.2 0.000 1.000 0.000	m*00r=M	330.0	68.4 60.4 -36.8 70.8	328.6 1.000 0.000 1.000
g12c	156.6	86.1 -41.4 8.0 42.3	169.1 0.000 1.000 0.125	m*12r	336.6	67.5 56.6 -25.4 62.1	335.7 1.000 0.000 0.875
g25c	163.9	88.3 -40.2 2.9 40.4	175.9 0.000 1.000 0.250	m*25r	343.9	66.9 53.9 -16.6 56.4	342.8 1.000 0.000 0.750
g37c	171.8	88.6 -38.5 -1.8 38.6	182.8 0.000 1.000 0.375	m*37r	351.8	66.5 51.9 -9.1 52.7	349.9 1.000 0.000 0.625
g50c	180.0	88.8 -36.2 -6.0 36.8	189.6 0.000 1.000 0.500	m*50r	360.0	66.2 50.1 -2.5 50.2	357.0 1.000 0.000 0.500
g62c	188.2	89.0 -33.5 -9.8 35.1	196.4 0.000 1.000 0.625	m*62r	368.2	65.9 48.7 3.5 48.8	4.2 1.000 0.000 0.375
g75c	196.1	87.6 -31.3 -13.4 34.2	203.3 0.000 1.000 0.750	m*75r	376.1	65.7 47.4 9.4 48.4	11.3 1.000 0.000 0.250
g87c	203.4	85.9 -28.8 -16.6 33.4	210.1 0.000 1.000 0.875	m*87r	383.4	65.5 46.1 15.3 48.6	18.4 1.000 0.000 0.125

LE011-3N, 2

Interpretation $rgb \rightarrow rgb^*$ and CIELAB data of a 48 step elementary hue circle for a LECD low glossy display with the luminance reflection $L_r=10\%$ 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 $OYLCVM: h_{ab,a} = 30.5, 103.2, 135.3, 197.0, 300.0, 326.0$
9 step equidistant grey scale: $L^* = 37.9, 45.1, 52.2, 59.4, 66.6, 73.8, 81.0, 88.2, 95.4$

u^*Ma	h_{rgb}	$[L^*, a^*, b^*, C^*]_{ab/ab}Ma_{ae}$	$rgb \rightarrow rgb^*Ma$	u^*Ma	h_{rgb}	$[L^*, a^*, b^*, C^*]_{ab/ab}Ma_{ae}$	$rgb \rightarrow rgb^*Ma$
r00=R	30.0	58.6 58.9 28.0 65.2 25.5	1.000 0.000 0.000	c*00b=C	210.0	82.1 -30.8 -23.1 38.7	217.0 0.000 1.000 1.000
r12J	36.6	59.9 54.1 36.2 65.1 33.8	1.000 0.125 0.000	c*12b	216.6	80.0 -27.2 -26.1 37.8	223.8 0.000 0.875 1.000
r25J	43.9	63.3 45.2 40.9 61.0 42.2	1.000 0.250 0.000	c*25b	223.9	78.0 -23.3 -28.4 36.9	230.7 0.000 0.750 1.000
r37J	51.8	66.4 37.2 45.2 58.6 50.5	1.000 0.375 0.000	c*37b	231.8	76.0 -20.3 -31.9 37.9	237.5 0.000 0.625 1.000
r50J	60.0	69.5 29.7 49.3 57.5 58.9	1.000 0.500 0.000	c*50b	240.0	74.0 -16.9 -35.3 39.2	244.4 0.000 0.500 1.000
r62J	68.2	72.7 22.5 53.6 58.1 67.2	1.000 0.625 0.000	c*62b	248.2	72.1 -13.0 -38.3 40.5	251.2 0.000 0.375 1.000
r75J	76.1	76.1 15.0 58.2 60.1 75.6	1.000 0.750 0.000	c*75b	256.1	69.9 -8.8 -41.7 42.8	258.0 0.000 0.250 1.000
r87J	83.4	80.0 6.7 63.4 63.8 84.0	1.000 0.875 0.000	c*87b	263.4	67.4 -4.0 -45.9 46.2	264.9 0.000 0.125 1.000
j00G=J	90.0	84.6 -2.7 69.4 69.5 92.3	1.000 1.000 0.000	b00m=B	270.0	64.8 1.5 -49.9 50.0	271.7 0.000 0.000 1.000
j12G	96.6	91.5 -15.3 78.8 80.2 101.1	0.875 1.000 0.000	b12m'	276.6	61.5 8.7 -55.5 56.3	278.8 0.125 0.000 1.000
j25G	103.9	91.4 -28.0 78.1 83.0	109.8 0.750 1.000 0.000	b25m'	283.9	57.4 17.8 -62.2 64.8	286.0 0.250 0.000 1.000
j37G	111.8	89.3 -40.4 74.5 84.8	118.5 0.625 1.000 0.000	b37m'	291.8	52.5 30.0 -70.4 76.6	293.1 0.375 0.000 1.000
j50G	120.0	87.3 -54.2 71.3 89.6	127.3 0.500 1.000 0.000	b50m'	300.0	46.3 46.9 -80.5 93.3	300.2 0.500 0.000 1.000
j62G	128.2	85.5 -68.8 66.6 95.8	136.0 0.375 1.000 0.000	b62m'	308.2	50.7 55.5 -72.8 91.6	307.3 0.625 0.000 1.000
j75G	136.1	85.9 -63.0 44.6 77.3	144.7 0.250 1.000 0.000	b75m'	316.1	55.3 63.7 -65.0 91.1	314.4 0.750 0.000 1.000
j87G	143.4	86.2 -57.5 28.7 64.4	153.5 0.125 1.000 0.000	b87m'	323.4	60.1 71.8 -57.0 91.7	321.5 0.875 0.000 1.000
g00c=G	150.0	86.6 -53.1 17.0 55.8	162.2 0.000 1.000 0.000	m*00r=M	330.0	62.7 75.9 -46.2 88.9	328.6 1.000 0.000 1.000
g12c	156.6	86.9 -49.7 9.6 50.7	169.1 0.000 1.000 0.125	m*12r	336.6	61.4 71.7 -32.2 78.6	335.7 1.000 0.000 0.875
g25c	163.9	87.2 -48.0 3.4 48.2	175.9 0.000 1.000 0.250	m*25r	343.9	60.6 68.5 -21.1 71.7	342.8 1.000 0.000 0.750
g37c	171.8	87.5 -45.8 -2.1 46.0	182.8 0.000 1.000 0.375	m*37r	351.8	60.1 66.3 -11.7 67.3	349.9 1.000 0.000 0.625
g50c	180.0	87.8 -43.0 -7.2 43.7	189.6 0.000 1.000 0.500	m*50r	360.0	59.6 64.4 -3.2 64.4	357.0 1.000 0.000 0.500
g62c	188.2	88.1 -39.7 -11.6 41.5	196.4 0.000 1.000 0.625	m*62r	368.2	59.3 62.8 4.6 63.0	4.2 1.000 0.000 0.375
g75c	196.1	86.2 -37.1 -15.9 40.5	203.3 0.000 1.000 0.750	m*75r	376.1	59.0 61.5 12.2 62.7	11.3 1.000 0.000 0.250
g87c	203.4	84.1 -34.1 -19.8 39.6	210.1 0.000 1.000 0.875	m*87r	383.4	58.8 60.1 20.0 63.3	18.4 1.000 0.000 0.125

LE010-7N, 2

Interpretation $rgb \rightarrow rgb^*$ and CIELAB data of a 48 step elementary hue circle for a LECD low glossy display with the luminance reflection $L_r=40\%$ 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 $OYLCVM: h_{ab,a} = 23.2, 106.5, 139.9, 198.2, 293.2, 324.2$
9 step equidistant grey scale: $L^* = 69.7, 72.9, 76.1, 79.3, 82.5, 85.8, 89.0, 9$