

Interpretation $rgb \rightarrow rgb^*$ and CIELAB data of a 48 step elementary hue circle
for a sRGB standard display with the luminance reflection $L_r=5\%$ compared to the white reference (100%)
48 step elementary hue circle with hues: $RJGB: h_{ab,a} = 25.5, 92.3, 162.2, 271.7$, and $C^*M^* = 217.0, 328.6$
comparison with six device hues $OYL\bar{C}VM: h_{ab,a} = 31.9, 103.7, 137.6, 196.6, 302.8, 327.9$
9 step equidistant grey scale: $L^* = 26.8, 35.4, 44.0, 52.6, 61.1, 69.7, 78.3, 86.8, 95.4$

u^*Ma	h_{rgb}	$[L^*, a^*, b^*, C^*_{ab}, h_{ab}Ma_e]$	$rgb \rightarrow rgb^*Ma$	u^*Ma	h_{rgb}	$[L^*, a^*, b^*, C^*_{ab}, h_{ab}Ma_e]$	$rgb \rightarrow rgb^*Ma$
r00=R	30.0	55.1 67.8 32.3 75.1 25.5	1.000 0.000 0.000	c'00b=C'	210.0	80.4 -31.6 -23.7 39.6	217.0 0.000 1.000 1.000
r12j	36.6	55.9 64.0 42.9 77.0 33.8	1.000 0.125 0.000	c'12b	216.6	78.2 -28.1 -26.9 39.0	223.8 0.000 0.875 1.000
r25j	43.9	60.2 52.6 47.7 71.0 42.2	1.000 0.250 0.000	c'25b	223.9	76.1 -24.9 -30.4 39.5	230.7 0.000 0.750 1.000
r37j	51.8	64.0 42.7 51.9 67.2 50.5	1.000 0.375 0.000	c'37b	231.8	74.1 -21.4 -33.6 39.9	237.5 0.000 0.625 1.000
r50j	60.0	67.7 33.6 55.8 65.1 58.9	1.000 0.500 0.000	c'50b	240.0	72.1 -17.4 -36.3 40.4	244.4 0.000 0.500 1.000
r62j	68.2	71.4 24.9 59.3 64.3 67.2	1.000 0.625 0.000	c'62b	248.2	69.9 -13.4 -39.7 42.0	251.2 0.000 0.375 1.000
r75j	76.1	75.3 16.3 63.3 65.6 75.6	1.000 0.750 0.000	c'75b	256.1	67.5 -9.2 -43.8 44.9	258.0 0.000 0.250 1.000
r87j	83.4	79.5 7.1 67.4 67.7 84.0	1.000 0.875 0.000	c'87b	263.4	65.0 -9.2 -47.8 47.8	264.9 0.000 0.125 1.000
j00g=J	90.0	84.4 -2.8 72.1 72.1 92.3	1.000 1.000 0.000	b00m=B	270.0	62.3 1.6 -51.6 51.7	271.7 0.000 0.000 1.000
j12g	96.6	90.8 -15.2 78.2 79.6 101.1	0.875 1.000 0.000	b12m'	276.6	58.7 9.0 -57.6 58.4	278.8 0.125 0.000 1.000
j25g	103.9	91.3 -27.9 77.9 82.8 109.8	0.750 1.000 0.000	b25m'	283.9	54.7 18.3 -63.8 66.4	286.0 0.250 0.000 1.000
j37g	111.8	89.1 -40.7 75.1 85.4 118.5	0.625 1.000 0.000	b37m'	291.8	49.6 30.6 -71.8 78.2	293.1 0.375 0.000 1.000
j50g	120.0	87.0 -54.9 72.3 90.9 127.3	0.500 1.000 0.000	b50m'	300.0	42.7 48.4 -83.1 96.3	300.2 0.500 0.000 1.000
j62g	128.2	84.8 -71.7 69.3 99.8 136.0	0.375 1.000 0.000	b62m'	308.2	43.5 62.1 -81.5 102.6	307.3 0.625 0.000 1.000
j75g	136.1	84.8 -70.5 49.9 86.4 144.7	0.250 1.000 0.000	b75m'	316.1	49.5 70.2 -71.6 100.3	314.4 0.750 0.000 1.000
j87g	143.4	85.0 -64.6 32.3 72.3 153.5	0.125 1.000 0.000	b87m'	323.4	55.3 77.9 -61.9 99.5	321.5 0.875 0.000 1.000
g00c=G	150.0	85.8 -59.3 19.0 62.4 162.2	0.000 1.000 0.000	m'00r=M	330.0	60.5 84.2 -51.3 98.7	328.6 1.000 0.000 1.000
g12c'	156.6	86.2 -55.6 10.7 56.7 169.1	0.000 1.000 0.125	m'12r	336.6	58.9 79.8 -35.9 87.6	335.7 1.000 0.000 0.875
g25c'	163.9	86.5 -52.0 3.7 52.3 175.9	0.000 1.000 0.250	m'25r	343.9	57.9 76.6 -23.6 80.2	342.8 1.000 0.000 0.750
g37c'	171.8	86.8 -48.9 -2.3 49.1 182.8	0.000 1.000 0.375	m'37r	351.8	57.2 74.4 -13.1 75.6	349.9 1.000 0.000 0.625
g50c'	180.0	87.1 -46.1 -7.7 46.9 189.6	0.000 1.000 0.500	m'50r	360.0	56.6 72.8 -3.7 72.9	357.0 1.000 0.000 0.500
g62c'	188.2	87.4 -42.7 -12.5 44.6 196.4	0.000 1.000 0.625	m'62r	368.2	56.1 71.0 5.2 71.2	362.4 1.000 0.000 0.375
g75c'	196.1	85.1 -39.4 -16.9 43.0 203.3	0.000 1.000 0.750	m'75r	376.1	55.7 69.9 13.9 71.3	368.2 1.000 0.000 0.250
g87c'	203.4	82.7 -35.6 -20.6 41.3 210.1	0.000 1.000 0.875	m'87r	383.4	55.4 68.9 22.9 72.6	371.8 1.000 0.000 0.125

KE890-3N, 2

Interpretation $rgb \rightarrow rgb^*$ and CIELAB data of a 48 step elementary hue circle
for a sRGB standard display with the luminance reflection $L_r=10\%$ compared to the white reference (100%)
48 step elementary hue circle with hues: $RJGB: h_{ab,a} = 25.5, 92.3, 162.2, 271.7$, and $C^*M^* = 217.0, 328.6$
comparison with six device hues $OYL\bar{C}VM: h_{ab,a} = 28.5, 104.4, 138.8, 196.8, 300.4, 327.6$
9 step equidistant grey scale: $L^* = 38.0, 45.2, 52.3, 59.5, 66.7, 73.9, 81.1, 88.2, 95.4$

u^*Ma	h_{rgb}	$[L^*, a^*, b^*, C^*_{ab}, h_{ab}Ma_e]$	$rgb \rightarrow rgb^*Ma$	u^*Ma	h_{rgb}	$[L^*, a^*, b^*, C^*_{ab}, h_{ab}Ma_e]$	$rgb \rightarrow rgb^*Ma$
r00=R	30.0	58.9 58.9 28.1 65.3 25.5	1.000 0.000 0.000	c'00b=C'	210.0	81.6 -29.1 -21.9 36.6	217.0 0.000 1.000 1.000
r12j	36.6	61.2 51.9 34.8 62.5 33.8	1.000 0.125 0.000	c'12b	216.6	79.5 -25.7 -24.7 35.8	223.8 0.000 0.875 1.000
r25j	43.9	64.7 43.1 39.1 58.2 42.2	1.000 0.250 0.000	c'25b	223.9	77.7 -22.9 -27.9 36.2	230.7 0.000 0.750 1.000
r37j	51.8	67.8 35.4 43.0 55.7 50.5	1.000 0.375 0.000	c'37b	231.8	75.9 -19.6 -30.8 36.6	237.5 0.000 0.625 1.000
r50j	60.0	70.9 28.2 46.8 54.7 58.9	1.000 0.500 0.000	c'50b	240.0	74.0 -15.9 -33.3 37.0	244.4 0.000 0.500 1.000
r62j	68.2	73.9 21.0 50.0 54.6 67.2	1.000 0.625 0.000	c'62b	248.2	72.0 -12.3 -36.2 38.3	251.2 0.000 0.375 1.000
r75j	76.1	77.3 13.9 54.1 55.9 75.6	1.000 0.750 0.000	c'75b	256.1	69.8 -8.4 -40.0 41.0	258.0 0.000 0.250 1.000
r87j	83.4	80.9 6.1 58.0 58.3 84.0	1.000 0.875 0.000	c'87b	263.4	67.6 -3.8 -43.3 43.6	264.9 0.000 0.125 1.000
j00g=J	90.0	85.0 -2.4 62.6 62.6 92.3	1.000 1.000 0.000	b00m=B	270.0	65.1 1.4 -47.0 47.1	271.7 0.000 0.000 1.000
j12g	96.6	90.7 -13.3 68.7 70.0 101.1	0.875 1.000 0.000	b12m'	276.6	61.8 8.2 -52.4 53.2	278.8 0.125 0.000 1.000
j25g	103.9	91.7 -24.8 69.3 73.7 109.8	0.750 1.000 0.000	b25m'	283.9	58.1 16.7 -58.2 60.7	286.0 0.250 0.000 1.000
j37g	111.8	89.8 -36.3 66.6 75.8 118.5	0.625 1.000 0.000	b37m'	291.8	53.3 28.1 -65.8 71.6	293.1 0.375 0.000 1.000
j50g	120.0	87.8 -48.5 63.8 80.2 127.3	0.500 1.000 0.000	b50m'	300.0	46.9 44.3 -76.1 88.1	300.2 0.500 0.000 1.000
j62g	128.2	85.8 -63.1 61.0 87.8 136.0	0.375 1.000 0.000	b62m'	308.2	50.7 53.2 -69.8 87.8	307.3 0.625 0.000 1.000
j75g	136.1	85.5 -64.5 45.7 79.2 144.7	0.250 1.000 0.000	b75m'	316.1	55.0 61.3 -62.6 87.7	314.4 0.750 0.000 1.000
j87g	143.4	86.0 -59.1 29.6 66.2 153.5	0.125 1.000 0.000	b87m'	323.4	59.6 62.7 -55.0 88.5	321.5 0.875 0.000 1.000
g00c=G	150.0	86.4 -54.3 17.4 57.1 162.2	0.000 1.000 0.000	m'00r=M	330.0	63.5 75.4 -45.9 88.3	328.6 1.000 0.000 1.000
g12c'	156.6	86.8 -51.0 9.9 52.0 169.1	0.000 1.000 0.125	m'12r	336.6	62.2 71.2 -32.0 78.1	335.7 1.000 0.000 0.875
g25c'	163.9	87.1 -47.8 3.4 48.0 175.9	0.000 1.000 0.250	m'25r	343.9	61.3 68.0 -20.9 71.2	342.8 1.000 0.000 0.750
g37c'	171.8	87.4 -45.1 -2.1 45.2 182.8	0.000 1.000 0.375	m'37r	351.8	60.7 65.9 -11.6 66.9	349.9 1.000 0.000 0.625
g50c'	180.0	87.6 -42.6 -7.1 43.3 189.6	0.000 1.000 0.500	m'50r	360.0	60.2 64.2 -3.2 64.3	357.0 1.000 0.000 0.500
g62c'	188.2	87.9 -39.5 -11.6 41.3 196.4	0.000 1.000 0.625	m'62r	368.2	59.8 62.5 4.5 62.7	362.4 1.000 0.000 0.375
g75c'	196.1	85.9 -36.4 -15.6 39.7 203.3	0.000 1.000 0.750	m'75r	376.1	59.5 61.2 12.2 62.4	368.2 1.000 0.000 0.250
g87c'	203.4	83.7 -32.9 -19.0 38.1 210.1	0.000 1.000 0.875	m'87r	383.4	59.2 60.1 20.0 63.3	371.8 1.000 0.000 0.125

KE890-7N, 2

Interpretation $rgb \rightarrow rgb^*$ and CIELAB data of a 48 step elementary hue circle
for a sRGB standard display with the luminance reflection $L_r=20\%$ compared to the white reference (100%)
48 step elementary hue circle with hues: $RJGB: h_{ab,a} = 25.5, 92.3, 162.2, 271.7$, and $C^*M^* = 217.0, 328.6$
comparison with six device hues $OYL\bar{C}VM: h_{ab,a} = 25.0, 105.5, 140.5, 197.2, 297.3, 327.0$
9 step equidistant grey scale: $L^* = 52.0, 57.4, 62.9, 68.3, 73.7, 79.1, 84.6, 90.0, 95.4$

u^*Ma	h_{rgb}	$[L^*, a^*, b^*, C^*_{ab}, h_{ab}Ma_e]$	$rgb \rightarrow rgb^*Ma$	u^*Ma	h_{rgb}	$[L^*, a^*, b^*, C^*_{ab}, h_{ab}Ma_e]$	$rgb \rightarrow rgb^*Ma$
r00=R	30.0	65.7 44.6 21.2 49.4 25.5	1.000 0.000 0.000	c'00b=C'	210.0	83.8 -24.5 -18.4 30.8	217.0 0.000 1.000 1.000
r12j	36.6	68.5 37.6 25.2 45.2 33.8	1.000 0.125 0.000	c'12b	216.6	82.1 -21.4 -20.6 29.9	223.8 0.000 0.875 1.000
r25j	43.9	71.1 31.6 28.6 42.6 42.2	1.000 0.250 0.000	c'25b	223.9	80.6 -19.0 -23.3 30.2	230.7 0.000 0.750 1.000
r37j	51.8	73.4 26.0 31.6 40.9 50.5	1.000 0.375 0.000	c'37b	231.8	79.1 -16.3 -25.6 30.5	237.5 0.000 0.625 1.000
r50j	60.0	75.7 21.0 34.7 40.6 58.9	1.000 0.500 0.000	c'50b	240.0	77.6 -13.3 -27.7 30.9	244.4 0.000 0.500 1.000
r62j	68.2	78.0 15.8 37.6 40.8 67.2	1.000 0.625 0.000	c'62b	248.2	76.0 -10.1 -29.9 31.7	251.2 0.000 0.375 1.000
r75j	76.1	80.5 10.5 40.9 42.2 75.6	1.000 0.750 0.000	c'75b	256.1	74.2 -6.9 -33.0 33.9	258.0 0.000 0.250 1.000
r87j	83.4	83.2 4.7 44.2 44.5 84.0	1.000 0.875 0.000	c'87b	263.4	70.3 -3.1 -35.8 36.0	264.9 0.000 0.125 1.000
j00g=J	90.0	86.4 -1.8 48.2 48.2 92.3	1.000 1.000 0.000	b00m=B	270.0	72.3 1.2 -38.8 38.9	271.7 0.000 0.000 1.000
j12g	96.6	90.8 -10.4 53.6 54.6 101.1	0.875 1.000 0.000	b12m'	276.6	67.6 6.7 -43.1 43.7	278.8 0.125 0.000 1.000
j25g	103.9	92.5 -19.8 55.3 58.8 109.8	0.750 1.000 0.000	b25m'	283.9	64.4 13.8 -48.0 50.1	286.0 0.250 0.000 1.000
j37g	111.8	90.9 -28.7 52.9 60.3 118.5	0.625 1.000 0.000	b37m'	291.8	60.3 23.2 -54.4 59.3	293.1 0.375 0.000 1.000
j50g	120.0	89.2 -38.3 50.5 63.5 127.3	0.500 1.000 0.000	b50m'	300.0	58.2 33.6 -57.7 66.8	300.2 0.500 0.000 1.000
j62g	128.2	87.5 -49.7 47.9 69.0 136.0	0.375 1.000 0.000	b62m'	308.2	60.8 40.8 -53.4 67.3	307.3 0.625 0.000 1.000
j75g	136.1	86.8 -53.7 38.0 65.8 144.7	0.250 1.000 0.000	b75m'	316.1	63.5 47.9 -48.8 68.5	314.4 0.750 0.000 1.000
j87g	143.4	87.3 -49.1 24.5 54.9 153.5	0.125 1.000 0.000	b87m'	323.4	66.6 55.2 -44.8 70.5	321.5 0.875 0.000 1.000
g00c=G	150.0	87.7 -45.1 14.5 47.5 162.2	0.000 1.000 0.000	m'00r=M	330.0	69.0 60.2 -36.6 70.5	328.6 1.000 0.000 1.000
g12c'	156.6	88.0 -42.5 8.2 43.4 169.1	0.000 1.000 0.125	m'12r	336.6	68.1 56.5 -25.4 62.0	335.7 1.000 0.000 0.875
g25c'	163.9	88.2 -39.9 2.9 40.1 175.9	0.000 1.000 0.250	m'25r	343.9	67.4 53.7 -16.5 56.2	342.8 1.000 0.000 0.750
g37c'	171.8	88.5 -37.8 -1.7 37.9 182.8	0.000 1.000 0.375	m'37r	351.8	67.0 51.8 -9.1 52.6	349.9 1.000 0.000 0.625
g50c'	180.0	88.7 -35.8 -6.0 36.4 189.6	0.000 1.000 0.500	m'50r	360.0	66.6 50.2 -2.5 50.2	357.0 1.000 0.000 0.500
g62c'	188.2	88.9 -33.4 -9.8 34.9 196.4	0.000 1.000 0.625	m'62r	368.2	66.3 48.6 3.5 48.7	362.4 1.000 0.000 0.375
g75c'	196.1	87.4 -30.7 -13.2 33.5 203.3	0.000 1.000 0.750	m'75r	376.1	66.0 47.3 9.4 48.2	368.2 1.000 0.000 0.250
g87c'	203.4	85.6 -27.7 -16.0 32.2 210.1	0.000 1.000 0.875	m'87r	383.4	65.7 46.1 15.3 48.6	371.8 1.000 0.000 0.125

KE891-3N, 2

Interpretation $rgb \rightarrow rgb^*$ and CIELAB data of a 48 step elementary hue circle
for a sRGB standard display with the luminance reflection $L_r=40\%$ compared to the white reference (100%)
48 step elementary hue circle with hues: $RJGB: h_{ab,a} = 25.5, 92.3, 162.2, 271.7$, and $C^*M^* = 217.0, 328.6$
comparison with six device hues $OYL\bar{C}VM: h_{ab,a} = 21.9, 107.3, 142.4, 197.9, 293.8, 326.1$
9 step equidistant grey scale: $L^* = 69.7, 72.9, 76.1, 79.3, 82.6, 85.8, 89.0, 92.2, 95.4$