

Interpretation $rgb \rightarrow olv^*$ and CIELAB data of a 48 step device hue circle
for a sRGB standard display with the luminance reflection $L_r=0\%$ compared to the white reference (100%)
48 step device hue circle with six device hues $OYL\text{CVM}$: $h_{ab,a} = 40.0, 102.9, 136.0, 196.4, 306.3, 328.2$
comparison with four elementary hues $R\text{JGB}$: $h_{ab,a} = 25.5, 92.3, 162.2, 271.7$, 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}	$[L^*, a^*, b^*, C^*_{ab}, h_{ab}]_{MaD}$	$rgb \rightarrow olv^*_{Ma}$	d_{Ma}	h_{rgb}	$[L^*, a^*, b^*, C^*_{ab}, h_{ab}]_{MaD}$	$rgb \rightarrow olv^*_{Ma}$
o00y=O	30.0	53.4 68.6 65.8	95.0 43.8 1.000 0.000 0.000	c00v=C	210.0	84.8 -68.5 30.8	75.2 155.8 0.000 1.000 1.000
o12y	36.6	53.8 67.5 65.9	94.3 44.3 1.000 0.125 0.000	c12v	216.6	83.2 -40.9 -20.0	45.6 206.2 0.000 0.875 1.000
o25y	43.9	55.3 63.3 66.8	92.0 46.5 1.000 0.250 0.000	c25v	223.9	48.4 25.9 -74.2	78.7 289.2 0.000 0.750 1.000
o37y	51.8	58.4 55.0 68.1	87.6 51.1 1.000 0.375 0.000	c37v	231.8	31.0 74.3 -102.5	126.7 305.9 0.000 0.625 1.000
o50y	60.0	64.4 39.7 71.6	81.9 61.0 1.000 0.500 0.000	c50v	240.0	32.4 76.8 -100.1	126.2 307.5 0.000 0.500 1.000
o62y	68.2	73.3 18.7 77.6	79.8 76.4 1.000 0.625 0.000	c62v	248.2	36.0 78.5 -93.9	122.5 309.9 0.000 0.375 1.000
o75y	76.1	83.9 -3.7 84.6	84.7 92.6 1.000 0.750 0.000	c75v	256.1	39.2 80.3 -88.6	119.6 312.1 0.000 0.250 1.000
o87y	83.4	92.3 -22.9 90.4	93.3 104.2 1.000 0.875 0.000	c87v	263.4	41.3 81.6 -85.1	118.0 313.8 0.000 0.125 1.000
y00l=Y	90.0	90.1 -35.4 87.8	94.7 112.0 1.000 1.000 0.000	v00m=V	270.0	42.1 82.2 -83.7	117.3 314.4 0.000 0.000 1.000
y12l	96.6	88.4 -45.8 85.7	97.3 118.2 0.875 1.000 0.000	v12m	276.6	42.3 82.3 -83.3	117.2 314.6 0.125 0.000 1.000
y25l	103.9	87.1 -54.6 84.2	100.4 123.0 0.750 1.000 0.000	v25m	283.9	42.9 82.7 -82.4	116.8 315.1 0.250 0.000 1.000
y37l	111.8	86.2 -61.2 83.2	103.3 126.4 0.625 1.000 0.000	v37m	291.8	44.0 83.5 -80.6	116.1 316.0 0.375 0.000 1.000
y50l	120.0	85.6 -66.1 82.3	105.6 128.8 0.500 1.000 0.000	v50m	300.0	45.5 84.7 -78.0	115.2 317.3 0.500 0.000 1.000
y62l	128.2	85.2 -69.1 81.9	107.2 130.2 0.375 1.000 0.000	v62m	308.2	47.6 86.2 -74.4	113.9 319.1 0.625 0.000 1.000
y75l	136.1	85.0 -71.2 81.6	108.3 131.1 0.250 1.000 0.000	v75m	316.1	50.3 88.5 -69.9	112.8 321.6 0.750 0.000 1.000
y87l	143.4	84.8 -72.3 81.4	108.9 131.7 0.125 1.000 0.000	v87m	323.4	53.5 91.1 -64.7	111.8 324.6 0.875 0.000 1.000
l00c=L	150.0	84.8 -72.7 81.3	109.1 131.9 0.000 1.000 0.000	m00o=M	330.0	57.0 94.1 -58.8	111.0 328.0 0.000 0.000 1.000
l12c	156.6	84.7 -73.4 81.2	109.5 132.1 0.000 1.000 0.125	m12o	336.6	56.0 91.4 -47.1	102.9 332.7 0.000 0.000 0.875
l25c	163.9	84.5 -74.8 81.0	110.4 132.8 0.000 1.000 0.250	m25o	343.9	54.4 87.5 -30.9	92.8 340.5 0.000 0.000 0.750
l37c	171.8	84.2 -77.2 80.7	111.7 133.8 0.000 1.000 0.375	m37o	351.8	52.8 83.4 -9.0	83.9 353.8 0.000 0.000 0.625
l50c	180.0	84.0 -79.6 80.3	113.2 134.8 0.000 1.000 0.500	m50o	360.0	51.5 79.9 18.7	82.0 13.2 0.000 0.000 0.500
l62c	188.2	83.7 -81.7 80.0	114.5 135.6 0.000 1.000 0.625	m62o	368.2	50.7 77.9 48.0	91.5 31.6 0.000 0.000 0.375
l75c	196.1	83.7 -82.4 78.3	113.7 136.5 0.000 1.000 0.750	m75o	376.1	50.6 76.5 64.6	100.1 40.2 0.000 0.000 0.250
l87c	203.4	83.9 -79.4 64.3	102.3 141.0 0.000 1.000 0.875	m87o	383.4	52.0 72.5 65.2	97.5 42.0 0.000 0.000 0.125

KE920-3N, 1

Interpretation $rgb \rightarrow olv^*$ and CIELAB data of a 48 step device hue circle
for a sRGB standard display with the luminance reflection $L_r=0.6\%$ compared to the white reference (100%)
48 step device hue circle with six device hues $OYL\text{CVM}$: $h_{ab,a} = 38.3, 103.0, 136.3, 196.4, 305.7, 328.2$
comparison with four elementary hues $R\text{JGB}$: $h_{ab,a} = 25.5, 92.3, 162.2, 271.7$, and C^*M^* = 217.0, 328.6
9 step equidistant grey scale: $L^* = 5.7, 16.9, 28.1, 39.3, 50.5, 61.8, 73.0, 84.2, 95.4$

d_{Ma}	h_{rgb}	$[L^*, a^*, b^*, C^*_{ab}, h_{ab}]_{MaD}$	$rgb \rightarrow olv^*_{Ma}$	d_{Ma}	h_{rgb}	$[L^*, a^*, b^*, C^*_{ab}, h_{ab}]_{MaD}$	$rgb \rightarrow olv^*_{Ma}$
o00y=O	30.0	53.4 68.9 61.2	92.1 41.6 1.000 0.000 0.000	c00v=C	210.0	84.9 -67.7 30.4	74.3 155.9 0.000 1.000 1.000
o12y	36.6	53.8 67.7 61.5	91.4 42.2 1.000 0.125 0.000	c12v	216.6	83.2 -40.3 -20.0	45.1 206.5 0.000 0.875 1.000
o25y	43.9	55.1 64.1 62.3	89.4 44.2 1.000 0.250 0.000	c25v	223.9	49.0 25.5 -73.3	77.7 289.1 0.000 0.750 1.000
o37y	51.8	58.2 55.7 64.3	85.1 49.1 1.000 0.375 0.000	c37v	231.8	32.3 71.2 -100.3	123.1 305.4 0.000 0.625 1.000
o50y	60.0	64.1 40.5 68.3	79.4 59.3 1.000 0.500 0.000	c50v	240.0	33.6 73.9 -98.0	122.8 307.0 0.000 0.500 1.000
o62y	68.2	73.2 19.3 75.1	77.5 75.6 1.000 0.625 0.000	c62v	248.2	37.0 76.0 -92.3	119.6 309.4 0.000 0.375 1.000
o75y	76.1	83.9 -3.5 82.8	82.9 92.5 1.000 0.750 0.000	c75v	256.1	39.9 77.9 -87.4	117.2 311.7 0.000 0.250 1.000
o87y	83.4	92.3 -22.7 88.9	91.8 104.4 1.000 0.875 0.000	c87v	263.4	41.9 79.4 -84.1	115.8 313.3 0.000 0.125 1.000
y00l=Y	90.0	90.1 -35.3 86.2	93.2 112.3 1.000 1.000 0.000	v00m=V	270.0	42.7 80.0 -82.8	115.2 314.0 0.000 0.000 1.000
y12l	96.6	88.4 -45.6 84.2	95.8 118.5 0.875 1.000 0.000	v12m	276.6	42.9 80.1 -82.4	115.0 314.2 0.125 0.000 1.000
y25l	103.9	87.1 -54.3 82.6	98.9 123.4 0.750 1.000 0.000	v25m	283.9	43.4 80.5 -81.5	114.7 314.6 0.250 0.000 1.000
y37l	111.8	86.3 -60.8 81.6	101.8 126.8 0.625 1.000 0.000	v37m	291.8	44.5 81.4 -79.7	114.0 315.6 0.375 0.000 1.000
y50l	120.0	85.6 -65.6 80.7	104.1 129.2 0.500 1.000 0.000	v50m	300.0	46.1 82.8 -77.1	113.2 317.0 0.500 0.000 1.000
y62l	128.2	85.3 -68.6 80.3	105.7 130.6 0.375 1.000 0.000	v62m	308.2	48.1 84.4 -73.6	112.1 318.9 0.625 0.000 1.000
y75l	136.1	85.0 -70.6 80.0	106.7 131.5 0.250 1.000 0.000	v75m	316.1	50.8 86.8 -69.1	111.1 321.4 0.750 0.000 1.000
y87l	143.4	84.9 -71.7 79.8	107.3 132.0 0.125 1.000 0.000	v87m	323.4	54.0 89.6 -63.9	110.2 324.5 0.875 0.000 1.000
l00c=L	150.0	84.8 -72.1 79.7	107.5 132.2 0.000 1.000 0.000	m00o=M	330.0	57.4 92.8 -58.1	109.6 327.9 0.000 0.000 1.000
l12c	156.6	84.8 -72.7 79.6	107.9 132.4 0.000 1.000 0.125	m12o	336.6	56.5 90.2 -46.5	101.5 332.7 0.000 0.000 0.875
l25c	163.9	84.6 -74.1 79.4	108.7 133.0 0.000 1.000 0.250	m25o	343.9	54.9 86.1 -30.4	91.4 340.5 0.000 0.000 0.750
l37c	171.8	84.3 -76.4 79.1	110.1 134.1 0.000 1.000 0.375	m37o	351.8	53.3 82.1 -8.7	82.6 353.9 0.000 0.000 0.625
l50c	180.0	84.1 -78.7 78.7	111.4 135.0 0.000 1.000 0.500	m50o	360.0	52.0 78.5 18.1	80.6 13.0 0.000 0.000 0.500
l62c	188.2	83.8 -80.8 78.4	112.7 135.9 0.000 1.000 0.625	m62o	368.2	51.3 76.5 45.1	88.8 30.5 0.000 0.000 0.375
l75c	196.1	83.7 -81.4 76.7	112.0 136.7 0.000 1.000 0.750	m75o	376.1	51.2 75.3 59.7	96.2 38.4 0.000 0.000 0.250
l87c	203.4	84.0 -78.5 63.3	100.9 141.2 0.000 1.000 0.875	m87o	383.4	52.2 72.2 60.4	94.2 39.9 0.000 0.000 0.125

KE920-7N, 1

TUB-test chart KE92; 48 step sRGB device hue circle
Interpretation $rgb \rightarrow olv^*$ and CIELAB data of colours Ma

Interpretation $rgb \rightarrow olv^*$ and CIELAB data of a 48 step device hue circle
for a sRGB standard display with the luminance reflection $L_r=1.2\%$ compared to the white reference (100%)
48 step device hue circle with six device hues $OYL\text{CVM}$: $h_{ab,a} = 37.0, 103.1, 136.5, 196.4, 305.2, 328.1$
comparison with four elementary hues $R\text{JGB}$: $h_{ab,a} = 25.5, 92.3, 162.2, 271.7$, and C^*M^* = 217.0, 328.6
9 step equidistant grey scale: $L^* = 11.0, 21.5, 32.1, 42.6, 53.2, 63.8, 74.3, 84.9, 95.4$

d_{Ma}	h_{rgb}	$[L^*, a^*, b^*, C^*_{ab}, h_{ab}]_{MaD}$	$rgb \rightarrow olv^*_{Ma}$	d_{Ma}	h_{rgb}	$[L^*, a^*, b^*, C^*_{ab}, h_{ab}]_{MaD}$	$rgb \rightarrow olv^*_{Ma}$
o00y=O	30.0	53.6 68.8 57.4	89.6 39.8 1.000 0.000 0.000	c00v=C	210.0	85.0 -67.0 30.0	73.5 155.9 0.000 1.000 1.000
o12y	36.6	54.0 67.6 57.7	88.9 40.5 1.000 0.125 0.000	c12v	216.6	83.2 -39.7 -20.0	44.6 206.8 0.000 0.875 1.000
o25y	43.9	55.1 64.6 58.4	87.1 42.1 1.000 0.250 0.000	c25v	223.9	49.5 25.1 -72.4	76.7 289.1 0.000 0.750 1.000
o37y	51.8	58.2 56.1 61.0	82.8 47.4 1.000 0.375 0.000	c37v	231.8	33.6 68.5 -98.2	119.8 304.9 0.000 0.625 1.000
o50y	60.0	64.0 41.1 65.4	77.2 57.9 1.000 0.500 0.000	c50v	240.0	34.8 71.2 -96.1	119.7 306.5 0.000 0.500 1.000
o62y	68.2	73.1 19.7 72.8	75.4 74.9 1.000 0.625 0.000	c62v	248.2	37.9 73.5 -90.8	116.9 309.0 0.000 0.375 1.000
o75y	76.1	83.9 -3.2 81.0	81.1 92.4 1.000 0.750 0.000	c75v	256.1	40.6 75.7 -86.2	114.8 311.2 0.000 0.250 1.000
o87y	83.4	92.3 -22.6 87.4	90.3 104.6 1.000 0.875 0.000	c87v	263.4	42.5 77.3 -83.2	113.6 312.9 0.000 0.125 1.000
y00l=Y	90.0	90.1 -35.1 84.7	91.8 112.6 1.000 1.000 0.000	v00m=V	270.0	43.2 77.9 -81.9	113.1 313.5 0.000 0.000 1.000
y12l	96.6	88.4 -45.4 82.6	94.3 118.8 0.875 1.000 0.000	v12m	276.6	43.4 78.0 -81.6	113.0 313.7 0.125 0.000 1.000
y25l	103.9	87.2 -54.0 81.0	97.4 123.7 0.750 1.000 0.000	v25m	283.9	44.0 78.5 -80.6	112.6 314.2 0.250 0.000 1.000
y37l	111.8	86.3 -60.4 80.0	100.3 127.1 0.625 1.000 0.000	v37m	291.8	45.0 79.4 -78.9	112.0 315.2 0.375 0.000 1.000
y50l	120.0	85.7 -65.1 79.2	102.6 129.5 0.500 1.000 0.000	v50m	300.0	46.6 80.9 -76.2	111.2 316.7 0.500 0.000 1.000
y62l	128.2	85.3 -68.1 78.8	104.2 130.9 0.375 1.000 0.000	v62m	308.2	48.6 82.7 -72.8	110.2 318.6 0.625 0.000 1.000
y75l	136.1	85.1 -70.0 78.4	105.2 131.8 0.250 1.000 0.000	v75m	316.1	51.3 85.3 -68.4	109.3 321.2 0.750 0.000 1.000
y87l	143.4	84.9 -71.1 78.2	105.8 132.3 0.125 1.000 0.000	v87m	323.4	54.4 88.2 -63.2	108.6 324.3 0.875 0.000 1.000
l00c=L	150.0	84.9 -71.5 78.2	106.0 132.5 0.000 1.000 0.000	m00o=M	330.0	57.8 91.5 -57.5	108.1 327.8 0.000 0.000 1.000
l12c	156.6	84.8 -72.0 78.1	106.3 132.7 0.000 1.000 0.125	m12o	336.6	56.9 88.9 -45.9	100.1 332.6 0.000 0.000 0.875
l25c	163.9	84.7 -73.4 77.9	107.1 133.3 0.000 1.000 0.250	m25o	343.9	55.4 84.8 -29.9	90.0 340.5 0.000 0.000 0.750
l37c	171.8	84.4 -75.6 77.6	108.4 134.3 0.000 1.000 0.375	m37o	351.8	53.9 80.7 -8.5	81.2 353.9 0.000 0.000 0.625
l50c	180.0	84.1 -77.9 77.2	109.7 135.3 0.000 1.000 0.500	m50o	360.0	52.6 77.2 17.5	79.1 12.8 0.000 0.000 0.500
l62c	188.2	83.9 -79.9 76.9	111.0 136.1 0.000 1.000 0.625	m62o	368.2	51.9 75.2 42.6	86.4 29.5 0.000 0.000 0.375
l75c	196.1	83.8 -80.5 75.3	110.3 136.9 0.000 1.000 0.750	m75o	376.1	51.7 74.2 55.8	92.9 37.0 0.000 0.000 0.250
l87c	203.4	84.1 -77.6 62.3	99.6 141.3 0.000 1.000 0.875	m87o	383.4	52.6 71.5 56.5	91.2 38.3 0.000 0.000 0.125

KE921-3N, 1

Interpretation $rgb \rightarrow olv^*$ and CIELAB data of a 48 step device hue circle
for a sRGB standard display with the luminance reflection $L_r=2.5\%$ compared to the white reference (100%)
48 step device hue circle with six device hues