

Interpretation *rgb* -> *ol** and CIELAB data of a 48 step device hue circle
for a sRGB display with the luminance reflection $L_r=5\%$ compared to the white reference (100%)

48 step device hue circle with six device hues OYLVCVM: $h_{ab,a} = 31.9, 103.6, 137.6, 196.5, 302.7, 327.8$

Comparison with four elementary hues *RJGB*: $h_{ab,a} = 25.4, 92.3, 162.2, 271.7$

Code	L*	a*	b*	C* _{ab}	h _{ab,a}	rgb -> ol*
o00y=O	54.8	66.8	41.6	78.7	31.9	1.00 0.00 0.00
o12y	55.7	64.4	42.6	77.2	33.5	1.00 0.12 0.00
o25y	57.8	58.5	45.0	73.8	37.5	1.00 0.25 0.00
o37y	61.4	49.2	48.8	69.3	44.7	1.00 0.37 0.00
o50y	66.2	37.1	53.8	65.4	55.3	1.00 0.50 0.00
o62y	71.9	23.4	59.7	64.2	68.5	1.00 0.62 0.00
o75y	78.4	9.0	66.2	66.8	82.2	1.00 0.75 0.00
o87y	85.4	-5.3	72.9	73.1	94.2	1.00 0.87 0.00
y00l=Y	92.8	-19.4	79.8	82.1	103.6	1.00 1.00 0.00
y12l	90.7	-30.8	77.1	83.0	111.8	0.87 1.00 0.00
y25l	88.9	-41.7	74.7	85.6	119.1	0.75 1.00 0.00
y37l	87.4	-51.5	72.8	89.2	125.2	0.62 1.00 0.00
y50l	86.3	-60.0	71.3	93.1	130.0	0.50 1.00 0.00
y62l	85.4	-66.7	70.1	96.8	133.5	0.37 1.00 0.00
y75l	84.8	-71.5	69.3	99.6	135.8	0.25 1.00 0.00
y87l	84.5	-74.3	68.9	101.3	137.1	0.12 1.00 0.00
m00c=L	84.3	-75.4	68.7	102.0	137.6	0.00 1.00 0.00
m12c	84.4	-74.8	66.3	100.0	138.4	0.00 1.00 0.12
m25c	84.5	-73.4	60.6	95.2	140.0	0.00 1.00 0.25
m37c	84.7	-71.0	51.7	87.9	143.9	0.00 1.00 0.37
m50c	85.0	-67.5	40.6	78.8	148.9	0.00 1.00 0.50
m62c	85.4	-62.8	28.0	68.8	155.9	0.00 1.00 0.62
m75c	85.9	-57.0	14.7	58.9	165.5	0.00 1.00 0.75
m87c	86.6	-50.3	1.0	50.3	178.8	0.00 1.00 0.87
c00v=C	87.4	-42.7	-12.7	44.6	196.5	0.00 1.00 1.00
c12v	79.1	-29.5	-25.1	38.8	220.4	0.00 0.87 1.00
c25v	71.0	-15.3	-37.6	40.6	247.8	0.00 0.75 1.00
c37v	63.2	-0.1	-49.9	49.9	269.8	0.00 0.62 1.00
c50v	55.9	15.5	-61.5	63.4	284.1	0.00 0.50 1.00
c62v	49.5	30.7	-71.9	78.2	293.1	0.00 0.37 1.00
c75v	44.3	43.8	-80.3	91.4	298.6	0.00 0.25 1.00
c87v	41.1	52.7	-85.7	100.6	301.5	0.00 0.12 1.00
v00m=V	39.7	56.6	-88.0	104.7	302.7	0.00 0.00 1.00
v12m	40.1	57.2	-87.3	104.4	303.2	0.12 0.00 1.00
v25m	41.1	58.7	-85.5	103.8	304.4	0.25 0.00 1.00
v37m	42.9	61.3	-82.5	102.8	306.5	0.37 0.00 1.00
v50m	45.4	64.7	-78.3	101.6	309.5	0.50 0.00 1.00
v62m	48.5	68.9	-73.1	100.5	313.3	0.62 0.00 1.00
v75m	52.2	73.8	-67.0	99.7	317.7	0.75 0.00 1.00
v87m	56.2	79.0	-60.3	99.4	322.6	0.87 0.00 1.00
m00o=M	60.6	84.6	-53.1	99.9	327.8	1.00 0.00 1.00
m12o	59.2	80.4	-39.3	89.5	333.9	1.00 0.00 0.87
m25o	57.9	76.8	-25.2	80.8	341.7	1.00 0.00 0.75
m37o	56.9	73.6	-10.8	74.4	351.6	1.00 0.00 0.62
m50o	56.1	71.1	3.4	71.2	367.2	1.00 0.00 0.50
m62o	55.5	69.2	17.2	71.3	379.1	1.00 0.00 0.37
m75o	55.1	67.9	29.1	73.9	392.2	1.00 0.00 0.25
m87o	54.9	67.1	37.7	77.0	399.3	1.00 0.00 0.12

KE210-3N, , Page 8/11, LAB*la4, adapted=not adapted

Interpretation *rgb* -> *ol** and CIELAB data of a 48 step device hue circle
for a sRGB display with the luminance reflection $L_r=10\%$ compared to the white reference (100%)

48 step device hue circle with six device hues OYLVCVM: $h_{ab,a} = 28.4, 104.3, 138.8, 196.7, 300.3, 327.5$

Comparison with four elementary hues *RJGB*: $h_{ab,a} = 25.4, 92.3, 162.2, 271.7$

Code	L*	a*	b*	C* _{ab}	h _{ab,a}	rgb -> ol*
o00y=O	58.7	58.4	31.7	66.5	28.4	1.00 0.00 0.00
o12y	59.5	56.4	32.6	65.2	30.0	1.00 0.12 0.00
o25y	61.3	51.6	34.9	62.3	34.0	1.00 0.25 0.00
o37y	64.3	43.8	38.6	58.4	41.4	1.00 0.37 0.00
o50y	68.5	33.4	43.7	55.0	52.6	1.00 0.50 0.00
o62y	73.7	21.3	49.7	54.1	66.7	1.00 0.62 0.00
o75y	79.6	8.3	56.4	57.0	81.6	1.00 0.75 0.00
o87y	86.1	-4.9	63.5	63.7	94.4	1.00 0.87 0.00
y00l=Y	92.9	-18.1	70.8	73.0	104.3	1.00 1.00 0.00
y12l	91.0	-28.7	68.1	73.9	112.8	0.87 1.00 0.00
y25l	89.3	-38.6	65.8	76.3	120.3	0.75 1.00 0.00
y37l	87.9	-47.4	64.0	79.6	126.5	0.62 1.00 0.00
y50l	86.9	-55.0	62.4	83.2	131.3	0.50 1.00 0.00
y62l	86.0	-60.9	61.3	86.5	134.8	0.37 1.00 0.00
y75l	85.5	-65.1	60.6	89.0	137.0	0.25 1.00 0.00
y87l	85.2	-67.6	60.1	90.5	138.3	0.12 1.00 0.00
m00c=L	85.1	-68.6	60.0	91.1	138.8	0.00 1.00 0.00
m12c	85.1	-68.1	58.1	89.5	139.5	0.00 1.00 0.12
m25c	85.2	-66.9	53.5	85.7	141.3	0.00 1.00 0.25
m37c	85.4	-64.7	46.2	79.5	144.4	0.00 1.00 0.37
m50c	85.7	-61.6	36.7	71.7	149.2	0.00 1.00 0.50
m62c	86.1	-57.5	25.6	62.9	155.9	0.00 1.00 0.62
m75c	86.5	-52.3	13.5	54.0	165.4	0.00 1.00 0.75
m87c	87.2	-46.3	0.9	46.3	178.8	0.00 1.00 0.87
c00v=C	87.9	-39.4	-11.9	41.2	196.7	0.00 1.00 1.00
c12v	80.3	-26.9	-23.3	35.6	220.9	0.00 0.87 1.00
c25v	72.9	-13.7	-34.6	37.2	248.4	0.00 0.75 1.00
c37v	65.9	-0.1	-45.5	45.5	269.8	0.00 0.62 1.00
c50v	59.6	13.3	-55.5	57.1	283.4	0.00 0.50 1.00
c62v	54.3	25.6	-64.1	69.0	291.8	0.00 0.37 1.00
c75v	50.2	35.6	-70.7	79.2	296.7	0.00 0.25 1.00
c87v	47.6	42.1	-74.8	85.9	299.3	0.00 0.12 1.00
v00m=V	46.6	44.9	-76.5	88.7	300.3	0.00 0.00 1.00
v12m	46.9	45.6	-76.0	88.6	300.9	0.12 0.00 1.00
v25m	47.7	47.2	-74.7	88.4	302.3	0.25 0.00 1.00
v37m	49.1	50.0	-72.4	88.0	304.6	0.37 0.00 1.00
v50m	51.0	53.9	-69.1	87.7	307.9	0.50 0.00 1.00
v62m	53.5	58.6	-65.0	87.5	312.0	0.62 0.00 1.00
v75m	56.5	64.0	-60.0	87.7	316.8	0.75 0.00 1.00
v87m	59.9	69.8	-54.4	88.5	322.0	0.87 0.00 1.00
m00o=M	63.7	75.9	-48.2	89.9	327.5	1.00 0.00 1.00
m12o	62.4	71.8	-35.3	80.0	333.7	1.00 0.00 0.87
m25o	61.4	68.1	-22.3	71.7	341.8	1.00 0.00 0.75
m37o	60.5	65.1	-9.4	65.7	351.7	1.00 0.00 0.62
m50o	59.8	62.6	2.9	62.6	367.2	1.00 0.00 0.50
m62o	59.3	60.7	14.1	62.3	379.1	1.00 0.00 0.37
m75o	59.0	59.4	23.1	63.8	392.2	1.00 0.00 0.25
m87o	58.8	58.7	29.1	65.5	399.3	1.00 0.00 0.12

KE210-7N, , Page 9/11, LAB*la5, adapted=not adapted

Interpretation *rgb* -> *ol** and CIELAB data of a 48 step device hue circle
for a sRGB display with the luminance reflection $L_r=20\%$ compared to the white reference (100%)

48 step device hue circle with six device hues OYLVCVM: $h_{ab,a} = 24.9, 105.5, 140.4, 197.1, 297.2, 327.0$

Comparison with four elementary hues *RJGB*: $h_{ab,a} = 25.4, 92.3, 162.2, 271.7$

Code	L*	a*_a	b*_a	C*_ab	h_ab,a	rgb -> olv*	Code	L*	a*_a	b*_a	C*_ab	h_ab,a	rgb -> olv*
o00v=O	65.5	45.0	20.9	49.7	24.9	1.00 0.00 0.00	c00v=C	88.9	-33.2	-10.2	34.7	197.1	0.00 1.00 1.00
o12y	66.0	43.6	21.7	48.7	26.4	1.00 0.12 0.00	c12v	82.5	-22.1	-19.9	29.7	221.9	0.00 0.87 1.00
o25y	67.4	40.3	23.5	46.6	30.3	1.00 0.25 0.00	c25v	76.4	-10.9	-29.1	31.1	249.3	0.00 0.75 1.00
o37y	69.7	34.6	26.6	43.7	37.5	1.00 0.37 0.00	c37v	70.9	0.0	-37.6	37.6	269.8	0.00 0.62 1.00
o50y	73.0	26.8	30.9	41.0	49.0	1.00 0.50 0.00	c50v	66.1	9.9	-45.0	46.1	282.4	0.00 0.50 1.00
o62y	77.1	17.4	36.3	40.3	64.3	1.00 0.62 0.00	c62v	62.3	18.5	-51.2	54.4	289.9	0.00 0.37 1.00
o75y	81.9	6.9	42.4	43.0	80.7	1.00 0.75 0.00	c75v	59.5	25.0	-55.6	61.0	294.2	0.00 0.25 1.00
o87y	87.4	-4.2	49.1	49.3	94.9	1.00 0.87 0.00	c87v	57.8	29.0	-58.3	65.1	296.4	0.00 0.12 1.00
y00l=Y	93.2	-15.6	56.2	58.4	105.5	1.00 1.00 0.00	v00m=V	57.1	30.6	-59.4	66.8	297.2	0.00 0.00 1.00
y12l	91.6	-24.5	53.8	59.1	114.4	0.87 1.00 0.00	v12m	57.3	31.2	-59.0	66.8	297.8	0.12 0.00 1.00
y25l	90.1	-32.6	51.7	61.2	122.2	0.75 1.00 0.00	v25m	57.8	32.7	-58.2	66.8	299.3	0.25 0.00 1.00
y37l	89.0	-39.8	50.0	64.0	128.5	0.62 1.00 0.00	v37m	58.7	35.3	-56.7	66.8	301.9	0.37 0.00 1.00
y50l	88.0	-45.8	48.7	66.9	133.2	0.50 1.00 0.00	v50m	60.0	38.9	-54.6	67.0	305.5	0.50 0.00 1.00
y62l	87.3	-50.4	47.7	69.4	136.6	0.37 1.00 0.00	v62m	61.8	43.5	-51.7	67.6	310.0	0.62 0.00 1.00
y75l	86.9	-53.7	47.0	71.4	138.7	0.25 1.00 0.00	v75m	63.9	48.8	-48.2	68.6	315.3	0.75 0.00 1.00
y87l	86.6	-55.5	46.6	72.5	139.9	0.12 1.00 0.00	v87m	66.4	54.6	-44.1	70.3	321.0	0.87 0.00 1.00
m00c=L	86.5	-56.3	46.5	73.0	140.4	0.00 1.00 0.00	m00o=M	69.2	60.9	-39.5	72.6	327.0	1.00 0.00 1.00
m12c	86.5	-55.9	45.2	71.9	141.0	0.00 1.00 0.12	m12o	68.2	57.1	-28.3	63.7	333.5	1.00 0.00 0.87
m25c	86.6	-55.0	42.1	69.3	142.5	0.00 1.00 0.25	m25o	67.4	53.8	-17.4	56.5	342.0	1.00 0.00 0.75
m37c	86.8	-53.3	36.9	64.9	145.3	0.00 1.00 0.37	m37o	66.8	51.0	-7.1	51.5	352.0	1.00 0.00 0.62
m50c	87.0	-50.9	29.8	59.0	149.6	0.00 1.00 0.50	m50o	66.3	48.7	2.1	48.8	2.5	1.00 0.00 0.50
m62c	87.3	-47.6	21.1	52.1	156.0	0.00 1.00 0.62	m62o	65.9	47.1	10.0	48.1	11.9	1.00 0.00 0.37
m75c	87.8	-43.6	11.3	45.0	165.3	0.00 1.00 0.75	m75o	65.7	45.9	15.8	48.6	19.0	1.00 0.00 0.25
m87c	88.3	-38.7	0.8	38.7	178.8	0.00 1.00 0.87	m87o	65.5	45.3	19.4	49.3	23.2	1.00 0.00 0.12