

Interpretation *rgb* -> *ol** and CIELAB data of a 48 step device hue circle for a sRGB display with the luminance reflection $L_r=0\%$ compared to the white reference (100%)

48 step device hue circle with six device hues OYLVCVM: $h_{ab,a} = 40.0, 102.8, 136.0, 196.3, 306.2, 328.2$

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

Code	L*	a*	b*	C*ab	$h_{ab,a}$	<i>rgb</i> -> <i>ol*</i>	Code	L*	a*	b*	C*ab	$h_{ab,a}$	<i>rgb</i> -> <i>ol*</i>
o00y=O	50.4	76.9	64.5	100.4	40.0	1.00 0.00 0.00	c00v=C	86.8	-46.1	-13.5	48.1	196.3	0.00 1.00 1.00
o12y	51.5	73.9	64.9	98.3	41.3	1.00 0.12 0.00	c12v	77.9	-32.3	-27.0	42.1	219.8	0.00 0.87 1.00
o25y	54.0	66.7	65.9	93.8	44.6	1.00 0.25 0.00	c25v	69.1	-17.0	-40.7	44.1	247.2	0.00 0.75 1.00
o37y	58.2	55.4	67.9	87.7	50.7	1.00 0.37 0.00	c37v	60.3	-0.1	-54.6	54.6	269.8	0.00 0.62 1.00
o50y	63.6	41.3	71.0	82.2	59.7	1.00 0.50 0.00	c50v	51.7	18.3	-68.7	70.7	285.0	0.00 0.50 1.00
o62y	70.1	25.7	75.0	79.3	71.0	1.00 0.62 0.00	c62v	43.8	37.6	-81.2	89.5	294.8	0.00 0.37 1.00
o75y	77.2	9.8	79.7	80.4	82.9	1.00 0.75 0.00	c75v	37.1	55.9	-92.3	107.9	301.1	0.00 0.25 1.00
o87y	84.8	-5.7	85.0	85.2	93.8	1.00 0.87 0.00	c87v	32.4	69.5	-100.0	121.8	304.8	0.00 0.12 1.00
y00l=Y	92.6	-20.7	90.7	93.0	102.8	1.00 1.00 0.00	v00m=V	30.3	76.0	-103.5	128.5	306.2	0.00 0.00 1.00
y12l	90.4	-33.1	88.1	94.1	110.5	0.87 1.00 0.00	v12m	31.0	76.2	-102.4	127.7	306.6	0.12 0.00 1.00
y25l	88.5	-44.9	85.8	96.8	117.6	0.75 1.00 0.00	v25m	32.6	76.8	-99.8	125.9	307.5	0.25 0.00 1.00
y37l	86.9	-55.8	83.9	100.7	123.6	0.62 1.00 0.00	v37m	35.1	77.9	-95.5	123.3	309.2	0.37 0.00 1.00
y50l	85.7	-65.2	82.4	105.1	128.3	0.50 1.00 0.00	v50m	38.5	79.8	-89.7	120.0	311.6	0.50 0.00 1.00
y62l	84.7	-72.8	81.2	109.1	131.8	0.37 1.00 0.00	v62m	42.7	82.5	-82.7	116.8	314.8	0.62 0.00 1.00
y75l	84.1	-78.2	80.5	112.2	134.1	0.25 1.00 0.00	v75m	47.2	85.8	-75.1	114.0	318.8	0.75 0.00 1.00
y87l	83.7	-81.4	80.0	114.2	135.5	0.12 1.00 0.00	v87m	52.1	89.8	-66.9	112.0	323.3	0.87 0.00 1.00
l00c=L	83.6	-82.7	79.8	115.0	136.0	0.00 1.00 0.00	m00o=M	57.2	94.3	-58.4	110.9	328.2	1.00 0.00 1.00
l12c	83.6	-82.1	76.6	112.3	137.0	0.00 1.00 0.12	m12o	55.6	90.3	-43.9	100.4	334.0	1.00 0.00 0.87
l25c	83.8	-80.5	69.1	106.1	139.3	0.00 1.00 0.25	m25o	54.2	86.7	-38.6	91.3	341.6	1.00 0.00 0.75
l37c	84.0	-77.8	58.1	97.1	143.2	0.00 1.00 0.37	m37o	53.0	83.6	-12.6	84.6	351.4	1.00 0.00 0.62
l50c	84.3	-73.7	44.9	86.4	148.6	0.00 1.00 0.50	m50o	52.0	81.1	4.1	81.2	359.2	1.00 0.00 0.37
l62c	84.7	-68.5	30.6	75.0	155.9	0.00 1.00 0.62	m62o	51.3	79.2	21.6	82.1	362.1	1.00 0.00 0.50
l75c	85.3	-62.0	15.9	64.0	165.6	0.00 1.00 0.75	m75o	50.8	77.9	39.2	87.2	367.7	1.00 0.00 0.25
l87c	86.0	-54.5	1.0	54.5	178.8	0.00 1.00 0.87	m87o	50.6	77.2	54.9	94.8	374.0	1.00 0.00 0.12

KE200-3N, Page 4/11, LAB*la0, adapted=not adapted

Interpretation *rgb* -> *ol** and CIELAB data of a 48 step device hue circle for a sRGB display with the luminance reflection $L_r=0.6\%$ compared to the white reference (100%)

48 step device hue circle with six device hues OYLVCVM: $h_{ab,a} = 38.3, 102.9, 136.2, 196.4, 305.7, 328.1$

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

Code	L*	a*	b*	C*ab	$h_{ab,a}$	<i>rgb</i> -> <i>ol*</i>	Code	L*	a*	b*	C*ab	$h_{ab,a}$	<i>rgb</i> -> <i>ol*</i>
o00y=O	51.0	75.5	59.6	96.3	38.3	1.00 0.00 0.00	c00v=C	86.9	-45.7	-13.4	47.6	196.4	0.00 1.00 1.00
o12y	52.0	72.6	60.3	94.3	39.7	1.00 0.12 0.00	c12v	78.1	-32.0	-26.7	41.7	219.9	0.00 0.87 1.00
o25y	54.5	65.6	61.8	90.1	43.3	1.00 0.25 0.00	c25v	69.3	-16.8	-40.3	43.7	247.3	0.00 0.75 1.00
o37y	58.6	54.6	64.4	84.5	49.7	1.00 0.37 0.00	c37v	60.6	-0.1	-54.0	54.0	269.8	0.00 0.62 1.00
o50y	63.9	40.8	68.1	79.4	59.0	1.00 0.50 0.00	c50v	52.3	17.9	-67.4	69.7	284.9	0.00 0.50 1.00
o62y	70.3	25.4	72.6	76.9	70.6	1.00 0.62 0.00	c62v	44.6	36.6	-79.9	87.9	294.6	0.00 0.37 1.00
o75y	77.4	9.7	77.7	78.3	82.8	1.00 0.75 0.00	c75v	38.1	54.0	-90.6	105.5	300.8	0.00 0.25 1.00
o87y	84.8	-5.7	83.3	83.5	93.9	1.00 0.87 0.00	c87v	33.7	66.9	-97.9	118.6	304.3	0.00 0.12 1.00
y00l=Y	92.6	-20.5	89.2	91.5	102.9	1.00 1.00 0.00	v00m=V	31.7	72.9	-101.2	124.8	305.7	0.00 0.00 1.00
y12l	90.4	-32.8	86.5	92.6	110.7	0.87 1.00 0.00	v12m	32.3	73.2	-100.2	124.1	306.1	0.12 0.00 1.00
y25l	88.5	-44.5	84.3	95.3	117.8	0.75 1.00 0.00	v25m	33.8	73.9	-97.7	122.6	307.1	0.25 0.00 1.00
y37l	87.0	-55.2	82.3	99.2	123.8	0.62 1.00 0.00	v37m	36.2	75.4	-93.6	120.2	308.8	0.37 0.00 1.00
y50l	85.7	-64.5	80.8	103.4	128.6	0.50 1.00 0.00	v50m	39.5	77.6	-88.1	117.4	311.3	0.50 0.00 1.00
y62l	84.8	-72.0	79.7	107.4	132.1	0.37 1.00 0.00	v62m	43.5	80.5	-81.4	114.5	314.6	0.62 0.00 1.00
y75l	84.2	-77.4	78.9	110.5	134.4	0.25 1.00 0.00	v75m	47.9	84.2	-74.0	112.1	318.6	0.75 0.00 1.00
y87l	83.8	-80.5	78.4	112.4	135.7	0.12 1.00 0.00	v87m	52.7	88.4	-66.0	110.3	323.2	0.87 0.00 1.00
l00c=L	83.7	-81.8	78.3	113.2	136.2	0.00 1.00 0.00	m00o=M	57.7	93.0	-57.7	109.5	328.1	1.00 0.00 1.00
l12c	83.7	-81.2	75.1	110.6	137.2	0.00 1.00 0.12	m12o	56.1	89.0	-43.3	99.0	334.0	1.00 0.00 0.87
l25c	83.8	-79.6	67.9	104.7	139.5	0.00 1.00 0.25	m25o	54.7	85.4	-28.2	89.9	347.7	1.00 0.00 0.75
l37c	84.1	-76.9	57.2	95.9	143.3	0.00 1.00 0.37	m37o	53.5	82.3	-12.4	83.2	351.4	1.00 0.00 0.62
l50c	84.4	-72.9	44.3	85.4	148.6	0.00 1.00 0.50	m50o	52.6	79.8	4.0	79.9	359.2	1.00 0.00 0.37
l62c	84.8	-67.7	30.3	74.2	155.9	0.00 1.00 0.62	m62o	51.9	77.9	20.9	80.6	362.1	1.00 0.00 0.50
l75c	85.4	-61.4	15.7	63.4	165.6	0.00 1.00 0.75	m75o	51.4	76.6	37.5	85.3	367.7	1.00 0.00 0.25
l87c	86.1	-54.0	1.0	54.0	178.8	0.00 1.00 0.87	m87o	51.1	75.8	51.7	91.8	374.0	1.00 0.00 0.12

KE200-7N, Page 5/11, LAB*la1, adapted=not adapted

TUB-test chart KE20; CIE data of sRGB display $L_r=0$ to 2,5%
16 steps of elementary hue circle and 5 grey steps

Interpretation *rgb* -> *ol** and CIELAB data of a 48 step device hue circle for a sRGB display with the luminance reflection $L_r=1.2\%$ compared to the white reference (100%)

48 step device hue circle with six device hues OYLVCVM: $h_{ab,a} = 36.9, 103.0, 136.4, 196.4, 305.2, 328.1$

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

Code	L*	a*	b*	C*ab	$h_{ab,a}$	<i>rgb</i> -> <i>ol*</i>	Code	L*	a*	b*	C*ab	$h_{ab,a}$	<i>rgb</i> -> <i>ol*</i>
o00y=O	51.6	74.2	55.8	92.8	36.9	1.00 0.00 0.00	c00v=C	87.0	-45.3	-13.3	47.2	196.4	0.00 1.00 1.00
o12y	52.6	71.3	56.5	91.0	38.4	1.00 0.12 0.00	c12v	78.2	-31.6	-26.5	41.2	219.9	0.00 0.87 1.00
o25y	55.0	64.5	58.4	87.0	42.1	1.00 0.25 0.00	c25v	69.6	-16.6	-39.9	43.2	247.4	0.00 0.75 1.00
o37y	59.0	53.8	61.4	81.7	48.7	1.00 0.37 0.00	c37v	61.0	-0.1	-53.4	53.4	269.8	0.00 0.62 1.00
o50y	64.3	40.2	65.5	76.9	58.4	1.00 0.50 0.00	c50v	52.8	17.5	-66.5	68.8	284.7	0.00 0.50 1.00
o62y	70.5	25.2	70.3	74.7	70.3	1.00 0.62 0.00	c62v	45.3	35.7	-78.7	86.4	294.3	0.00 0.37 1.00
o75y	77.5	9.6	75.8	76.4	82.7	1.00 0.75 0.00	c75v	39.1	52.3	-89.0	103.2	300.4	0.00 0.25 1.00
o87y	84.9	-5.6	81.6	81.8	93.9	1.00 0.87 0.00	c87v	34.9	64.4	-96.0	115.6	303.8	0.00 0.12 1.00
y00l=Y	92.7	-20.3	87.7	90.1	103.0	1.00 1.00 0.00	v00m=V	33.0	70.0	-99.1	121.3	305.2	0.00 0.00 1.00
y12l	90.5	-32.5	85.1	91.1	110.9	0.87 1.00 0.00	v12m	33.6	70.4	-98.1	120.7	305.6	0.12 0.00 1.00
y25l	88.6	-44.1	82.8	93.8	118.0	0.75 1.00 0.00	v25m	35.0	71.3	-99.7	119.4	306.6	0.25 0.00 1.00
y37l	87.0	-54.7	80.8	97.6	124.0	0.62 1.00 0.00	v37m	37.3	73.0	-91.8	117.3	308.4	0.37 0.00 1.00
y50l	85.8	-63.9	79.3	101.8	128.8	0.50 1.00 0.00	v50m	40.4	75.5	-86.5	114.8	311.0	0.50 0.00 1.00
y62l	84.9	-71.2	78.1	105.8	132.3	0.37 1.00 0.00	v62m	44.2	78.7	-80.1	112.3	314.4	0.62 0.00 1.00
y75l	84.3	-76.5	77.4	108.8	134.6	0.25 1.00 0.00	v75m	48.5	82.5	-72.9	110.2	318.5	0.75 0.00 1.00
y87l	83.9	-79.6	76.9	110.7	135.9	0.12 1.00 0.00	v87m	53.2	87.0	-65.1	108.7	323.1	0.87 0.00 1.00
l00c=L	83.8	-80.8	76.8	111.5	136.4	0.00 1.00 0.00	m00o=M	58.1	91.8	-57.0	108.0	328.1	1.00 0.00 1.00
l12c	83.8	-80.2	73.7	109.0	137.4	0.00 1.00 0.12	m12o	56.5	87.7	-42.7	97.5	334.0	1.00 0.00 0.87
l25c	83.9	-78.7	66.8	103.2	139.6	0.00 1.00 0.25	m25o	55.1	84.1	-27.7	88.5	341.7	1.00 0.00 0.75
l37c	84.1	-76.0	56.4	94.7	143.4	0.00 1.00 0.37	m37o	54.0	81.0	-12.1	81.9	351.4	1.00 0.00 0.62
l50c	84.5	-72.1	43.8	84.4	148.7	0.00 1.00 0.50	m50o	53.1	78.4	3.9	78.5	359.2	1.00 0.00 0.37
l62c	84.9	-67.0	29.9	73.4	155.9	0.00 1.00 0.62	m62o	52.4	76.5	20.3	79.2	362.1	1.00 0.00 0.50
l75c	85.5	-60.7	15.5	62.7	165.6	0.00 1.00 0.75	m75o	52.0	75.2	36.0	83.4	367.7	1.00 0.00 0.25
l87c	86.1	-53.4	1.0	53.5	178.8	0.00 1.00 0.87	m87o	51.7	74.5	48.9	89.1	374.0	1.00 0.00 0.12

KE201-3N, Page 6/11, LAB*la2, adapted=not adapted

Interpretation *rgb* -> *ol** and CIELAB data of a