

rgb → *rgb** and CIE data of a elementary hue circle according to CIE R1-47:2009 for photo printer

Code	L _a *	a _a *	b _a *	C _{ab,a} *	h _{ab}	<i>rgb</i> → <i>rgb*</i>
Red R of the elementary hues <i>RJGB</i> : $h_{ab,a} = 25.4, 92.3, 162.2, 271.7$						
<i>r00j</i> =R	34.1	61.4	29.2	68.0	25.4	1.00 0.00 0.00
0,5(R+N)	21.4	30.7	14.6	34.0	25.4	0.50 0.00 0.00
0,5(R+W)	63.4	30.7	14.6	34.0	25.4	1.00 0.50 0.50
5 step equidistant grey scale: $L^* = 8.6, 29.6, 50.6, 71.6, 92.6$						
<i>n000w</i> =N	8.7	0.0	0.0	0.0	1.2	0.00 0.00 0.00
<i>n025w</i>	29.6	-0.3	-7.1	7.1	166.8	0.25 0.25 0.25
<i>n050w</i>	50.7	-2.8	-5.4	6.1	242.2	0.50 0.50 0.50
<i>n075w</i>	71.7	-1.8	-5.0	5.3	250.0	0.75 0.75 0.75
<i>n100w</i> =W	92.6	0.0	0.0	0.0	220.9	1.00 1.00 1.00

KE310-1N, photo printer, printer separation olv*

rgb → *rgb** and CIE data of a elementary hue circle according to CIE R1-47:2009 for photo printer

Code	L _a *	a _a *	b _a *	C _{ab,a} *	h _{ab}	<i>rgb</i> → <i>rgb*</i>
16 step elementary hue circle <i>RJGB</i> : $h_{ab} = 25.4, 92.3, 162.2, 271.7$						
<i>r00j</i> =R	34.1	61.4	29.2	68.0	25.4	1.00 0.00 0.00
<i>r25j</i>	39.9	54.2	49.2	73.2	42.2	1.00 0.25 0.00
<i>r50j</i>	52.8	38.2	63.2	73.9	58.8	1.00 0.50 0.00
<i>r75j</i>	65.4	20.5	79.9	82.5	75.5	1.00 0.75 0.00
5 step equidistant grey scale: $L^* = 8.6, 29.6, 50.6, 71.6, 92.6$						
<i>n000w</i> =N	8.7	0.0	0.0	0.0	1.2	0.00 0.00 0.00
<i>n025w</i>	29.6	-0.3	-7.1	7.1	166.8	0.25 0.25 0.25
<i>n050w</i>	50.7	-2.8	-5.4	6.1	242.2	0.50 0.50 0.50
<i>n075w</i>	71.7	-1.8	-5.0	5.3	250.0	0.75 0.75 0.75
<i>n100w</i> =W	92.6	0.0	0.0	0.0	220.9	1.00 1.00 1.00

KE310-2N, photo printer, printer separation olv*

rgb → *rgb** and CIE data of a elementary hue circle according to CIE R1-47:2009 for sRGB display $L_r=0\%$

Code	L _a *	a _a *	b _a *	C _{ab,a} *	h _{ab}	<i>rgb</i> → <i>rgb*</i>
Red R of the elementary hues <i>RJGB</i> : $h_{ab,a} = 25.4, 92.3, 162.2, 271.7$						
<i>r00j</i> =R	50.9	78.1	37.1	86.4	25.4	1.00 0.00 0.00
0,5(R+N)	25.4	39.0	18.5	43.2	25.4	0.50 0.00 0.00
0,5(R+W)	73.1	39.0	18.5	43.2	25.4	1.00 0.50 0.50
5 step equidistant grey scale: $L^* = 0.0, 23.8, 47.7, 71.5, 95.4$						
<i>n000w</i> =N	0.0	0.0	0.0	0.0	0.0	0.00 0.00 0.00
<i>n025w</i>	23.8	0.0	0.0	0.0	325.3	0.25 0.25 0.25
<i>n050w</i>	47.7	0.0	0.0	0.0	325.1	0.50 0.50 0.50
<i>n075w</i>	71.4	0.0	0.0	0.0	325.1	0.75 0.75 0.75
<i>n100w</i> =W	95.4	0.0	0.0	0.0	0.0	1.00 1.00 1.00

KE310-3N

rgb → *rgb** and CIE data of a elementary hue circle according to CIE R1-47:2009 for sRGB display $L_r=0\%$

Code	L _a *	a _a *	b _a *	C _{ab,a} *	h _{ab}	<i>rgb</i> → <i>rgb*</i>
16 step elementary hue circle with hues: $h_{ab,a} = 25.4, 92.3, 162.2, 271.7$						
<i>r00j</i> =R	50.9	78.1	37.1	86.4	25.4	1.00 0.00 0.00
<i>r25j</i>	52.2	71.9	65.2	97.1	42.1	1.00 0.25 0.00
<i>r50j</i>	63.1	42.7	70.7	82.6	58.8	1.00 0.50 0.00
<i>r75j</i>	72.7	19.7	76.7	79.2	75.5	1.00 0.75 0.00
5 step equidistant grey scale: $L^* = 0.0, 23.8, 47.7, 71.5, 95.4$						
<i>n000w</i> =N	0.0	0.0	0.0	0.0	0.0	0.00 0.00 0.00
<i>n025w</i>	23.8	0.0	0.0	0.0	325.3	0.25 0.25 0.25
<i>n050w</i>	47.7	0.0	0.0	0.0	325.1	0.50 0.50 0.50
<i>n075w</i>	71.4	0.0	0.0	0.0	325.1	0.75 0.75 0.75
<i>n100w</i> =W	95.4	0.0	0.0	0.0	0.0	1.00 1.00 1.00

KE310-1N

rgb → *rgb** and CIE data of a elementary hue circle according to CIE R1-47:2009 for sRGB display $L_r=2,5\%$

Code	L _a *	a _a *	b _a *	C _{ab,a} *	h _{ab}	<i>rgb</i> → <i>rgb*</i>
Red R of the elementary hues <i>RJGB</i> : $h_{ab,a} = 25.4, 92.3, 162.2, 271.7$						
<i>r00j</i> =R	53.0	72.6	34.5	80.4	25.4	1.00 0.00 0.00
0,5(R+N)	35.5	36.3	17.2	40.2	25.4	0.50 0.00 0.00
0,5(R+W)	74.2	36.3	17.2	40.2	25.4	1.00 0.50 0.50
5 step equidistant grey scale: $L^* = 18.0, 37.3, 56.7, 76.0, 95.4$						
<i>n000w</i> =N	18.0	0.0	0.0	0.0	0.0	0.00 0.00 0.00
<i>n025w</i>	37.3	0.0	0.0	0.0	325.3	0.25 0.25 0.25
<i>n050w</i>	56.7	0.0	0.0	0.0	324.8	0.50 0.50 0.50
<i>n075w</i>	76.1	0.0	0.0	0.0	323.7	0.75 0.75 0.75
<i>n100w</i> =W	95.4	0.0	0.0	0.0	0.0	1.00 1.00 1.00

KE310-5N

rgb → *rgb** and CIE data of a elementary hue circle according to CIE R1-47:2009 for sRGB display $L_r=2,5\%$

Code	L _a *	a _a *	b _a *	C _{ab,a} *	h _{ab}	<i>rgb</i> → <i>rgb*</i>
16 step elementary hue circle with hues: $h_{ab,a} = 25.4, 92.3, 162.2, 271.7$						
<i>r00j</i> =R	53.0	72.6	34.5	80.4	25.4	1.00 0.00 0.00
<i>r25j</i>	57.1	59.5	53.9	80.3	42.1	1.00 0.25 0.00
<i>r50j</i>	65.7	37.3	61.7	72.1	58.8	1.00 0.50 0.00
<i>r75j</i>	74.0	17.7	69.0	71.2	75.6	1.00 0.75 0.00
5 step equidistant grey scale: $L^* = 18.0, 37.3, 56.7, 76.0, 95.4$						
<i>n000w</i> =N	18.0	0.0	0.0	0.0	0.0	0.00 0.00 0.00
<i>n025w</i>	37.3	0.0	0.0	0.0	325.3	0.25 0.25 0.25
<i>n050w</i>	56.7	0.0	0.0	0.0	324.8	0.50 0.50 0.50
<i>n075w</i>	76.1	0.0	0.0	0.0	323.7	0.75 0.75 0.75
<i>n100w</i> =W	95.4	0.0	0.0	0.0	0.0	1.00 1.00 1.00

KE310-4N

rgb → *rgb** and CIE data of a elementary hue circle according to CIE R1-47:2009 for sRGB display $L_r=40\%$

Code	L _a *	a _a *	b _a *	C _{ab,a} *	h _{ab}	<i>rgb</i> → <i>rgb*</i>
Red R of the elementary hues <i>RJGB</i> : $h_{ab,a} = 25.4, 92.3, 162.2, 271.7$						
<i>r00j</i> =R	77.2	24.4	11.6	27.1	25.4	1.00 0.00 0.00
0,5(R+N)	73.4	12.2	5.8	13.5	25.4	0.50 0.00 0.00
0,5(R+W)	86.3	12.2	5.8	13.5	25.4	1.00 0.50 0.50
5 step equidistant grey scale: $L^* = 69.6, 76.1, 82.5, 88.9, 95.4$						
<i>n000w</i> =N	69.6	0.0	0.0	0.0	0.0	0.00 0.00 0.00
<i>n025w</i>	76.1	0.0	0.0	0.0	325.6	0.25 0.25 0.25
<i>n050w</i>	82.5	0.0	0.0	0.0	326.0	0.50 0.50 0.50
<i>n075w</i>	88.9	0.0	0.0	0.0	324.2	0.75 0.75 0.75
<i>n100w</i> =W	95.4	0.0	0.0	0.0	0.0	1.00 1.00 1.00

KE310-7N

rgb → *rgb** and CIE data of a elementary hue circle according to CIE R1-47:2009 for sRGB display $L_r=40\%$

Code	L _a *	a _a *	b _a *	C _{ab,a} *	h _{ab}	<i>rgb</i> → <i>rgb*</i>
16 step elementary hue circle with hues: $h_{ab,a} = 25.4, 92.3, 162.2, 271.7$						
<i>r00j</i> =R	77.2	24.4	11.6	27.1	25.4	1.00 0.00 0.00
<i>r25j</i>	80.2	17.6	15.9	23.7	42.1	1.00 0.25 0.00
<i>r50j</i>	82.8	11.8	19.6	22.9	58.9	1.00 0.50 0.00
<i>r75j</i>	85.6	5.9	23.3	24.1	75.6	1.00 0.75 0.00
5 step equidistant grey scale: $L^* = 69.6, 76.1, 82.5, 88.9, 95.4$						
<i>n000w</i> =N	69.6	0.0	0.0	0.0	0.0	0.00 0.00 0.00
<i>n025w</i>	76.1	0.0	0.0	0.0	325.6	0.25 0.25 0.25
<i>n050w</i>	82.5	0.0	0.0	0.0	326.0	0.50 0.50 0.50
<i>n075w</i>	88.9	0.0	0.0	0.0	324.2	0.75 0.75 0.75
<i>n100w</i> =W	95.4	0.0	0.0	0.0	0.0	1.00 1.00 1.00

KE310-8N

Interpretation *rgb* → *olv** and CIELAB data for photo printer, printer separation *olv**

48 step device hue circle with six device hues OYL_{CVM}: $h_{ab,a} = 34.9, 92.5, 143.1, 226.7, 311.9, 337.2$

4 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>olv*</i>
<i>o00y</i> =O	34.5	59.5	41.6	72.6	34.9	1.00 0.00 0.00
<i>o12y</i>	42.3	52.0	50.4	72.5	44.1	1.00 0.12 0.00
<i>o25y</i>	50.6	41.2	60.5	73.2	55.7	1.00 0.25 0.00
<i>o37y</i>	58.4	30.4	70.3	76.6	66.5	1.00 0.37 0.00
<i>o50y</i>	66.4	19.1	81.2	83.5	76.7	1.00 0.50 0.00
<i>o62y</i>	73.3	9.8	90.7	91.3	83.8	1.00 0.62 0.00
<i>o75y</i>	79.3	1.9	99.2	99.2	88.8	1.00 0.75 0.00
<i>o87y</i>	84.1	-4.5	106.4	106.5	92.4	1.00 0.87 0.00

KE310-1N

Interpretation *rgb* → *olv** and CIELAB data

for a sRGB display with the luminance reflection $L_r=0\%$

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

4 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>olv*</i>
<i>o00y</i> =O	50.4	76.9	64.5	100.4	40.0	1.00 0.00 0.00
<i>o12y</i>	51.5	73.9	64.9	98.3	41.3	1.00 0.12 0.00
<i>o25y</i>	54.0	66.7	65.9	93.8	44.6	1.00 0.25 0.00
<i>o37y</i>	58.2	55.4	67.9	87.7	50.7	1.00 0.37 0.00
<i>o50y</i>	63.6	41.3	71.0	82.2	59.7	1.00 0.50 0.00
<i>o62y</i>	70.1	25.7	75.0	79.3	71.0	1.00 0.62 0.00
<i>o75y</i>	77.2	9.8	79.7	80.4	82.9	1.00 0.75 0.00
<i>o87y</i>	84.8	-5.7	85.0	85.2	93.8	1.00 0.87 0.00

KE310-3N

Interpretation *rgb* → *olv** and CIELAB data

for a sRGB display with the luminance reflection $L_r=2,5\%$

48 step device hue circle with six device hues OYL_{CVM}: $h_{ab,a} = 34.8, 103.2, 136.9, 196.4, 304.3, 328.0$

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

Code	L*	a*	b*	C _{ab}	h _{ab,a}	rgb -> olv*
<i>o00y</i> =O	52.7	71.6	49.8	87.3	34.8	1.00 0.00 0.00
<i>o12y</i>	53.7	68.9	50.7	85.6	36.3	1.00 0.12 0.00
<i>o25y</i>	56.0	62.4	52.9	81.8	40.2	1.00 0.25 0.00
<i>o37y</i>	59.8	52.2	56.4	76.9	47.2	1.00 0.37 0.00
<i>o50y</i>	64.9	39.2	61.0	72.5	57.2	1.00 0.50 0.00
<i>o62y</i>	71.0	24.6	66.4	70.8	69.6	1.00 0.62 0.00
<i>o75y</i>	77.8	9.4	72.3	72.9	82.5	1.00 0.75 0.00
<i>o87y</i>	85.1	-5.5	78.5	78.7	94.0	1.00 0.87 0.00