

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

16 step elementary hue circle with hues: $h_{ab,a} = 25.4, 92.3, 162.2, 271.7$

Code	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	h_{ab}	rgb -> rgb*
r00j=R	55.0	67.6	32.2	74.9	25.5	1.00 0.00 0.00
r25j	60.1	52.4	47.5	70.7	42.1	1.00 0.25 0.00
r50j	67.7	33.4	55.4	64.7	58.9	1.00 0.50 0.00
r75j	75.2	16.1	63.0	65.0	75.6	1.00 0.75 0.00
j00g=J	84.2	-2.8	71.7	71.7	92.2	1.00 1.00 0.00
j25g	91.6	-28.1	78.1	83.0	109.7	0.75 1.00 0.00
j50g	86.9	-54.9	72.2	90.7	127.2	0.50 1.00 0.00
j75g	84.7	-70.4	49.7	86.2	144.7	0.25 1.00 0.00
g00b=G	85.8	-58.9	18.8	61.9	162.2	0.00 1.00 0.00
g25b	87.6	-45.9	-7.8	46.5	189.6	0.00 1.00 0.50
g50b	80.4	-31.3	-23.5	39.2	216.9	0.00 1.00 1.00
g75b	72.1	-17.3	-35.9	39.8	244.2	0.00 0.50 1.00
b00r=B	62.4	1.5	-51.1	51.1	271.6	0.00 0.00 1.00
b25r	42.7	48.3	-83.0	96.1	300.1	0.50 0.00 1.00
b50r	60.6	84.4	-51.4	98.8	328.6	1.00 0.00 1.00
b75r	56.5	72.3	-3.7	72.4	357.0	1.00 0.00 0.50

5 step equidistant grey scale: $L^* = 26.8, 43.9, 61.1, 78.2, 95.4$

Code	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	h_{ab}	rgb -> rgb*
n000w=N	26.8	0.0	0.0	0.0	0.0	0.00 0.00 0.00
n025w	43.9	0.0	0.0	0.0	325.3	0.25 0.25 0.25
n050w	61.1	0.0	0.0	0.0	325.1	0.50 0.50 0.50
n075w	78.1	0.0	0.0	0.0	323.7	0.75 0.75 0.75
n100w=W	95.4	0.0	0.0	0.0	0.0	1.00 1.00 1.00

KE180-3N, LAB*la4, adapted=not adapted

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

3 colours of the elementary hues RJGB: $h_{ab,a} = 25.4, 92.3, 162.2, 271.7$

Code	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	h_{ab}	rgb -> rgb*
r00j=R	55.0	67.6	32.2	74.9	25.5	1.00 0.00 0.00
0.5(R+N)	40.9	33.8	16.1	37.4	25.5	0.50 0.00 0.00
0.5(R+W)	75.2	33.8	16.1	37.4	25.5	1.00 0.50 0.50
j00g=J	84.2	-2.8	71.7	71.7	92.2	1.00 1.00 0.00
0.5(J+N)	55.5	-1.4	35.8	35.8	92.2	0.50 0.50 0.00
0.5(J+W)	89.8	-1.4	35.8	35.8	92.2	1.00 1.00 0.50
g00b=G	85.8	-58.9	18.8	61.9	162.2	0.00 1.00 0.00
0.5(G+N)	56.3	-29.4	9.4	30.9	162.2	0.00 0.50 0.00
0.5(G+W)	90.6	-29.4	9.4	30.9	162.2	0.50 1.00 0.50
b00r=B	62.4	1.5	-51.1	51.1	271.6	0.00 0.00 1.00
0.5(B+N)	44.6	0.7	-25.5	25.5	271.6	0.00 0.00 0.50
0.5(B+W)	78.9	0.7	-25.5	25.5	271.6	0.50 0.50 1.00

5 step equidistant grey scale: $L^* = 26.8, 43.9, 61.1, 78.2, 95.4$

Code	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	h_{ab}	rgb -> rgb*
n000w=N	26.8	0.0	0.0	0.0	0.0	0.00 0.00 0.00
n025w	43.9	0.0	0.0	0.0	325.3	0.25 0.25 0.25
n050w	61.1	0.0	0.0	0.0	325.1	0.50 0.50 0.50
n075w	78.1	0.0	0.0	0.0	323.7	0.75 0.75 0.75
n100w=W	95.4	0.0	0.0	0.0	0.0	1.00 1.00 1.00

KE180-4N, LAB*la4, adapted=not adapted

rgb -> rgb* and CIE data of a elementary hue circle
according to CIE R1-47:2009 for sRGB display $L_r=20\%$

16 step elementary hue circle with hues: $h_{ab,a} = 25.4, 92.3, 162.2, 271.7$

Code	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	h_{ab}	rgb -> rgb*
r00j=R	65.6	44.6	21.2	49.4	25.4	1.00 0.00 0.00
r25j	71.1	31.3	28.4	42.3	42.2	1.00 0.25 0.00
r50j	75.6	20.7	34.4	40.2	58.9	1.00 0.50 0.00
r75j	80.3	10.3	40.4	41.7	75.6	1.00 0.75 0.00
j00g=J	86.2	-1.9	47.8	47.8	92.3	1.00 1.00 0.00
j25g	92.9	-20.0	55.7	59.2	109.7	0.75 1.00 0.00
j50g	89.2	-38.3	50.4	63.3	127.2	0.50 1.00 0.00
j75g	86.8	-53.7	37.9	65.7	144.7	0.25 1.00 0.00
g00b=G	87.6	-44.9	14.4	47.1	162.1	0.00 1.00 0.00
g25b	89.1	-35.7	-6.0	36.2	189.6	0.00 1.00 0.50
g50b	83.8	-24.2	-18.2	30.3	217.0	0.00 1.00 1.00
g75b	77.6	-13.1	-27.3	30.3	244.2	0.00 0.50 1.00
b00r=B	70.3	1.1	-38.5	38.6	271.7	0.00 0.00 1.00
b25r	58.1	33.5	-57.7	66.8	300.1	0.50 0.00 1.00
b50r	69.1	60.4	-36.9	70.8	328.5	1.00 0.00 1.00
b75r	66.5	49.8	-2.6	49.9	357.0	1.00 0.00 0.50

5 step equidistant grey scale: $L^* = 52.0, 62.8, 73.7, 84.5, 95.4$

Code	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	h_{ab}	rgb -> rgb*
n000w=N	52.0	0.0	0.0	0.0	0.0	0.00 0.00 0.00
n025w	62.8	0.0	0.0	0.0	325.1	0.25 0.25 0.25
n050w	73.7	0.0	0.0	0.0	324.7	0.50 0.50 0.50
n075w	84.5	0.0	0.0	0.0	323.8	0.75 0.75 0.75
n100w=W	95.4	0.0	0.0	0.0	0.0	1.00 1.00 1.00

KE181-3N, LAB*la6, adapted=not adapted

rgb -> rgb* and CIE data of a elementary hue circle
according to CIE R1-47:2009 for sRGB display $L_r=20\%$

3 colours of the elementary hues RJGB: $h_{ab,a} = 25.4, 92.3, 162.2, 271.7$

Code	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	h_{ab}	rgb -> rgb*
r00j=R	65.6	44.6	21.2	49.4	25.4	1.00 0.00 0.00
0.5(R+N)	58.8	22.3	10.6	24.7	25.4	0.50 0.00 0.00
0.5(R+W)	80.5	22.3	10.6	24.7	25.4	1.00 0.50 0.50
j00g=J	86.2	-1.9	47.8	47.8	92.3	1.00 1.00 0.00
0.5(J+N)	69.1	-0.9	23.9	23.9	92.3	0.50 0.50 0.00
0.5(J+W)	90.8	-0.9	23.9	23.9	92.3	1.00 1.00 0.50
g00b=G	87.6	-44.9	14.4	47.1	162.1	0.00 1.00 0.00
0.5(G+N)	69.8	-22.4	7.2	23.5	162.1	0.00 0.50 0.00
0.5(G+W)	91.5	-22.4	7.2	23.5	162.1	0.50 1.00 0.50
b00r=B	70.3	1.1	-38.5	38.6	271.7	0.00 0.00 1.00
0.5(B+N)	61.1	0.5	-19.2	19.3	271.7	0.00 0.00 0.50
0.5(B+W)	82.8	0.5	-19.2	19.3	271.7	0.50 0.50 1.00

5 step equidistant grey scale: $L^* = 52.0, 62.8, 73.7, 84.5, 95.4$

Code	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	h_{ab}	rgb -> rgb*
n000w=N	52.0	0.0	0.0	0.0	0.0	0.00 0.00 0.00
n025w	62.8	0.0	0.0	0.0	325.1	0.25 0.25 0.25
n050w	73.7	0.0	0.0	0.0	324.7	0.50 0.50 0.50
n075w	84.5	0.0	0.0	0.0	323.8	0.75 0.75 0.75
n100w=W	95.4	0.0	0.0	0.0	0.0	1.00 1.00 1.00

KE181-4N, LAB*la6, adapted=not adapted

rgb -> rgb* and CIE data of a elementary hue circle
according to CIE R1-47:2009 for sRGB display $L_r=10\%$

16 step elementary hue circle with hues: $h_{ab,a} = 25.4, 92.3, 162.2, 271.7$

Code	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	h_{ab}	rgb -> rgb*
r00j=R	58.8	58.8	28.0	65.2	25.4	1.00 0.00 0.00
r25j	64.6	43.1	39.0	58.1	42.1	1.00 0.25 0.00
r50j	70.8	27.9	46.4	54.2	58.9	1.00 0.50 0.00
r75j	77.1	13.7	53.6	55.3	75.6	1.00 0.75 0.00
j00g=J	84.9	-2.5	62.2	62.2	92.3	1.00 1.00 0.00
j25g	92.1	-25.0	69.6	74.0	109.7	0.75 1.00 0.00
j50g	87.8	-48.5	63.7	80.1	127.2	0.50 1.00 0.00
j75g	85.4	-64.6	45.6	79.1	144.7	0.25 1.00 0.00
g00b=G	86.4	-54.0	17.3	56.7	162.2	0.00 1.00 0.00
g25b	88.1	-42.4	-7.2	43.0	189.6	0.00 1.00 0.50
g50b	81.5	-28.8	-21.7	36.1	216.9	0.00 1.00 1.00
g75b	74.1	-15.8	-32.8	36.5	244.2	0.00 0.50 1.00
b00r=B	65.2	1.4	-46.7	46.7	271.7	0.00 0.00 1.00
b25r	46.8	44.3	-76.2	88.2	300.1	0.50 0.00 1.00
b50r	63.6	75.6	-46.1	88.6	328.5	1.00 0.00 1.00
b75r	60.2	63.8	-3.2	63.9	357.0	1.00 0.00 0.50

5 step equidistant grey scale: $L^* = 37.9, 52.3, 66.6, 81.0, 95.4$

Code	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	h_{ab}	rgb -> rgb*
n000w=N	37.9	0.0	0.0	0.0	0.0	0.00 0.00 0.00
n025w	52.2	0.0	0.0	0.0	325.5	0.25 0.25 0.25
n050w	66.7	0.0	0.0	0.0	324.4	0.50 0.50 0.50
n075w	81.1	0.0	0.0	0.0	324.7	0.75 0.75 0.75
n100w=W	95.4	0.0	0.0	0.0	0.0	1.00 1.00 1.00

KE180-7N, LAB*la5, adapted=not adapted

rgb -> rgb* and CIE data of a elementary hue circle
according to CIE R1-47:2009 for sRGB display $L_r=10\%$

3 colours of the elementary hues RJGB: $h_{ab,a} = 25.4, 92.3, 162.2, 271.7$

Code	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	h_{ab}	rgb -> rgb*
r00j=R	58.8	58.8	28.0	65.2	25.4	1.00 0.00 0.00
0.5(R+N)	48.4	29.4	14.0	32.6	25.4	0.50 0.00 0.00
0.5(R+W)	77.1	29.4	14.0	32.6	25.4	1.00 0.50 0.50
j00g=J	84.9	-2.5	62.2	62.2	92.3	1.00 1.00 0.00
0.5(J+N)	61.4	-1.2	31.1	31.1	92.3	0.50 0.50 0.00
0.5(J+W)	90.1	-1.2	31.1	31.1	92.3	1.00 1.00 0.50
g00b=G	86.4	-54.0	17.3	56.7	162.2	0.00 1.00 0.00
0.5(G+N)	62.2	-27.0	8.6	28.3	162.2	0.00 0.50 0.00
0.5(G+W)	90.9	-27.0	8.6	28.3	162.2	0.50 1.00 0.50
b00r=B	65.2	1.4	-46.7	46.7	271.7	0.00 0.00 1.00
0.5(B+N)	51.6	0.7	-23.3	23.3	271.7	0.00 0.00 0.50
0.5(B+W)	80.3	0.7	-23.3	23.3	271.7	0.50 0.50 1.00

5 step equidistant grey scale: $L^* = 37.9, 52.3, 66.6, 81.0, 95.4$

Code	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	h_{ab}	rgb -> rgb*
n000w=N	37.9	0.0	0.0	0.0	0.0	0.00 0.00 0.00
n025w	52.2	0.0	0.0	0.0	325.5	0.25 0.25 0.25
n050w	66.7	0.0	0.0	0.0	324.4	0.50 0.50 0.50
n075w	81.1	0.0	0.0	0.0	324.7	0.75 0.75 0.75
n100w=W	95.4	0.0	0.0	0.0	0.0	1.00 1.00 1.00

KE180-8N, LAB*la5, adapted=not adapted