

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

Code	L*	a*	b*	C*	h _{ab}	rgb -> rgb*
Red R of the elementary hues RJGB: h _{RJGB} = 25.4, 92.3, 162.2, 271.7						
r00j-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	34.4	25.4	0.50 0.00 0.00
0.5(R-W)	63.4	30.7	14.6	34.4	25.4	1.00 0.50 0.50
5 step equidistant grey scale: L* = 8.6, 29.6, 58.6, 71.6, 92.6						
n000w-N	8.7	0.0	0.0	0.0	1.2	0.00 0.00 0.00
n025w	29.6	-0.3	-7.1	7.1	266.8	0.25 0.25 0.25
n050w	58.7	-2.8	-5.4	6.1	242.2	0.50 0.50 0.50
n075w	71.7	-1.8	-5.0	5.3	250.0	0.75 0.75 0.75
n100w=W	92.6	0.0	0.0	0.0	220.9	1.00 1.00 1.00

KE35-1N, photo printer, printer separation 0%

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

Code	L*	a*	b*	C*	h _{ab}	rgb -> rgb*
16 step elementary hue circle RJGB: h _{RJGB} = 25.4, 92.3, 162.2, 271.7						
r00j-R	34.1	61.4	29.2	68.0	25.4	1.00 0.00 0.00
r25j	39.9	54.2	49.2	73.2	42.2	1.00 0.25 0.00
r50j	52.8	38.2	63.2	73.9	58.8	1.00 0.50 0.00
r75j	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, 58.6, 71.6, 92.6						
n000w=N	8.7	0.0	0.0	0.0	1.2	0.00 0.00 0.00
n025w	29.6	-0.3	-7.1	7.1	266.8	0.25 0.25 0.25
n050w	58.7	-2.8	-5.4	6.1	242.2	0.50 0.50 0.50
n075w	71.7	-1.8	-5.0	5.3	250.0	0.75 0.75 0.75
n100w=W	92.6	0.0	0.0	0.0	220.9	1.00 1.00 1.00

KE35-1N, photo printer, printer separation 0%

rgb -> rgb* and CIE data of a elementary hue circle according to CIE R1-47:2009 for offset print

Code	L*	a*	b*	C*	h _{ab}	rgb -> rgb*
Red R of the elementary hues RJGB: h _{RJGB} = 25.4, 92.3, 162.2, 271.7						
r00j-R	48.7	66.7	31.8	73.9	25.4	1.00 0.00 0.00
0.5(R-N)	35.5	33.3	15.9	36.9	25.4	0.50 0.00 0.00
0.5(R-W)	72.5	33.3	15.9	36.9	25.4	1.00 0.50 0.50
5 step equidistant grey scale: L* = 22.2, 40.7, 59.3, 77.8, 96.3						
n000w=N	22.5	0.0	0.0	0.0	37.9	0.00 0.00 0.00
n025w	40.8	-0.3	-1.4	1.4	256.8	0.25 0.25 0.25
n050w	59.2	-0.3	-1.8	1.8	258.1	0.50 0.50 0.50
n075w	77.8	-0.2	-1.4	1.4	259.2	0.75 0.75 0.75
n100w=W	96.4	0.0	0.0	0.0	190.0	1.00 1.00 1.00

KE35-1N, Offset print, model separation 000%

rgb -> rgb* and CIE data of a elementary hue circle according to CIE R1-47:2009 for offset print

Code	L*	a*	b*	C*	h _{ab}	rgb -> rgb*
16 step elementary hue circle RJGB: h _{RJGB} = 25.4, 92.3, 162.2, 271.7						
r00j-R	48.7	66.7	31.8	73.9	25.4	1.00 0.00 0.00
r25j	54.5	52.9	47.9	71.4	42.2	1.00 0.25 0.00
r50j	63.2	35.0	58.0	67.8	58.9	1.00 0.50 0.00
r75j	72.7	17.6	68.8	71.1	75.5	1.00 0.75 0.00
5 step equidistant grey scale: L* = 22.2, 40.7, 59.3, 77.8, 96.3						
n000w=N	22.5	0.0	0.0	0.0	37.9	0.00 0.00 0.00
n025w	40.8	-0.3	-1.4	1.4	256.8	0.25 0.25 0.25
n050w	59.2	-0.3	-1.8	1.8	258.1	0.50 0.50 0.50
n075w	77.8	-0.2	-1.4	1.4	259.2	0.75 0.75 0.75
n100w=W	96.4	0.0	0.0	0.0	190.0	1.00 1.00 1.00

KE35-1N, Offset print, model separation 000%

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

Code	L*	a*	b*	C*	h _{ab}	rgb -> rgb*
Red R of the elementary hues RJGB: h _{RJGB} = 25.4, 92.3, 162.2, 271.7						
r00j-R	48.2	65.2	31.0	72.2	25.4	1.00 0.00 0.00
0.5(R-N)	30.5	32.6	15.5	36.1	25.4	0.50 0.00 0.00
0.5(R-W)	72.7	32.6	15.5	36.1	25.4	1.00 0.50 0.50
5 step equidistant grey scale: L* = 12.9, 34.0, 55.1, 76.1, 97.2						
n000w=N	13.9	0.0	-0.2	0.2	266.4	0.00 0.00 0.00
n025w	34.0	0.0	-1.3	1.3	267.9	0.25 0.25 0.25
n050w	55.1	0.0	-1.3	1.3	270.7	0.50 0.50 0.50
n075w	76.1	0.0	-0.7	0.7	276.4	0.75 0.75 0.75
n100w=W	97.3	0.0	0.0	0.0	150.4	1.00 1.00 1.00

KE35-1N, Laser printer, printer separation 000%

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

Code	L*	a*	b*	C*	h _{ab}	rgb -> rgb*
16 step elementary hue circle RJGB: h _{RJGB} = 25.4, 92.3, 162.2, 271.7						
r00j-R	48.2	65.2	31.0	72.2	25.4	1.00 0.00 0.00
r25j	51.8	57.4	52.0	77.5	42.1	1.00 0.25 0.00
r50j	61.9	37.5	62.1	72.5	58.8	1.00 0.50 0.00
r75j	72.0	18.5	72.0	74.4	75.5	1.00 0.75 0.00
5 step equidistant grey scale: L* = 12.9, 34.0, 55.1, 76.1, 97.2						
n000w=N	13.9	0.0	-0.2	0.2	266.4	0.00 0.00 0.00
n025w	34.0	0.0	-1.3	1.3	267.9	0.25 0.25 0.25
n050w	55.1	0.0	-1.3	1.3	270.7	0.50 0.50 0.50
n075w	76.1	0.0	-0.7	0.7	276.4	0.75 0.75 0.75
n100w=W	97.3	0.0	0.0	0.0	150.4	1.00 1.00 1.00

KE35-1N, Laser printer, printer separation 000%

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Red R of the elementary hues RJGB: h _{RJGB} = 25.4, 92.3, 162.2, 271.7						
r00j-R	45.1	61.9	29.5	68.6	25.4	1.00 0.00 0.00
0.5(R-N)	29.0	30.9	14.7	34.3	25.4	0.50 0.00 0.00
0.5(R-W)	71.1	30.9	14.7	34.3	25.4	1.00 0.50 0.50
5 step equidistant grey scale: L* = 13.0, 34.0, 55.0, 76.1, 97.1						
n000w=N	14.0	0.0	0.1	0.1	85.7	0.00 0.00 0.00
n025w	34.1	0.0	-0.9	0.9	270.7	0.25 0.25 0.25
n050w	55.1	0.1	-1.0	1.0	277.2	0.50 0.50 0.50
n075w	76.1	0.2	-0.6	0.6	289.2	0.75 0.75 0.75
n100w=W	97.2	0.0	0.1	0.1	110.1	1.00 1.00 1.00

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16 step elementary hue circle RJGB: h _{RJGB} = 25.4, 92.3, 162.2, 271.7						
r00j-R	45.1	61.9	29.5	68.6	25.4	1.00 0.00 0.00
r25j	51.5	57.4	52.1	77.5	42.2	1.00 0.25 0.00
r50j	61.7	37.6	62.4	72.9	58.9	1.00 0.50 0.00
r75j	72.0	18.4	71.8	74.1	75.6	1.00 0.75 0.00
5 step equidistant grey scale: L* = 13.0, 34.0, 55.0, 76.1, 97.1						
n000w=N	14.0	0.0	0.1	0.1	85.7	0.00 0.00 0.00
n025w	34.1	0.0	-0.9	0.9	270.7	0.25 0.25 0.25
n050w	55.1	0.1	-1.0	1.0	277.2	0.50 0.50 0.50
n075w	76.1	0.2	-0.6	0.6	289.2	0.75 0.75 0.75
n100w=W	97.2	0.0	0.1	0.1	110.1	1.00 1.00 1.00

KE35-1N, Laser printer, printer separation 000%

TUB-test chart KE35; rgb* and CIE data of print outputs
Photo printer, offset print, and laser printer; separations

input: w setgray
output: no change compared to input