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

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

Code	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	h_{ab}	*rgb → rgb**
r00|-R	34.1	61.4	29.2	68.0	**25.4**	**1.00 0.00 0.00**
r25|	39.9	54.2	49.2	73.2	**42.2**	**1.00 0.25 0.00**
r50|	52.8	38.2	63.2	73.9	**58.8**	**1.00 0.50 0.00**
r75|	65.4	20.5	79.9	82.5	**75.5**	**1.00 0.75 0.00**
j00|-J	83.9	−4.3	106.1	106.2	**92.3**	**1.00 1.00 0.00**
j25|	70.7	−31.0	86.2	91.6	**109.8**	**0.75 1.00 0.00**
j50|	57.4	−50.3	66.1	83.1	**127.2**	**0.50 1.00 0.00**
j75|	43.6	−62.7	44.2	76.7	**144.7**	**0.25 1.00 0.00**
g00|b-G	46.8	−58.9	18.9	61.8	**162.1**	**0.00 1.00 0.00**
g25|	49.7	−45.9	−7.7	46.6	**189.5**	**0.00 1.00 0.50**
g50|	51.7	−33.5	−25.2	41.9	**216.9**	**0.00 1.00 1.00**
g75|	46.8	−17.2	−35.9	39.9	**244.3**	**0.00 0.50 1.00**
b00|v-B	38.1	1.3	−43.4	43.5	**271.7**	**0.00 0.00 1.00**
b25|	24.2	31.0	−53.4	61.7	**300.1**	**0.50 0.00 1.00**
b50|	30.3	68.8	−42.0	80.6	**328.6**	**1.00 0.00 1.00**
b75|	35.8	67.2	−34.4	67.3	**357.0**	**1.00 0.00 0.50**

5 step equidistant grey scale: L^* = 8.6, 29.6, 50.6, 71.6, 92.6

Code	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	h_{ab}	*rgb → rgb**
n000w=N	**8.7**	0.0	0.0	0.0	1.2	**0.00 0.00 0.00**
n025w	**29.6**	−0.3	−1.3	1.3	256.8	**0.25 0.25 0.25**
n050w	**50.7**	−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**

KE110−3N, photo printer, printer separation olv*

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

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

Code	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	h_{ab}	*rgb → rgb**
r00|-R	48.7	66.7	31.8	73.9	**25.4**	**1.00 0.00 0.00**
r25|	54.5	52.9	47.9	71.4	**42.2**	**1.00 0.25 0.00**
r50|	63.2	35.0	58.0	67.8	**58.9**	**1.00 0.50 0.00**
r75|	72.7	17.6	74.6	76.6	**76.5**	**1.00 0.75 0.00**
j00|-J	86.1	−3.3	83.2	83.3	**92.3**	**1.00 1.00 0.00**
j25|	77.8	−25.0	69.6	74.0	**109.8**	**0.75 1.00 0.00**
j50|	67.1	−40.9	53.7	67.6	**127.2**	**0.50 1.00 0.00**
j75|	59.6	−55.6	39.3	68.2	**144.7**	**0.25 1.00 0.00**
g00|b-G	56.9	−61.5	19.6	64.5	**162.2**	**0.00 1.00 0.00**
g25|	59.3	−50.5	−8.5	51.2	**189.4**	**0.00 1.00 0.50**
g50|	61.3	−39.1	−29.4	49.0	**216.9**	**0.00 1.00 1.00**
g75|	56.0	−20.6	−43.0	47.7	**244.3**	**0.00 0.50 1.00**
b00|v-B	41.2	1.3	−45.0	45.1	**271.7**	**0.00 0.00 1.00**
b25|	27.5	27.2	−46.9	54.2	**300.1**	**0.50 0.00 1.00**
b50|	37.4	50.1	−30.6	58.7	**328.5**	**1.00 0.00 1.00**
b75|	49.4	72.4	−3.7	72.5	**357.0**	**1.00 0.00 0.50**

5 step equidistant grey scale: L^* = 22.2, 40.7, 59.3, 77.8, 96.3

Code	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	h_{ab}	*rgb → rgb**
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	100.0	**1.00 1.00 1.00**

KE110−7N, Offset print, model separation cmyn6*

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

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

Code	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	h_{ab}	*rgb → rgb**
r00|R-R	34.1	61.4	29.2	68.0	**25.4**	**1.00 0.00 0.00**
r25|	39.9	54.2	49.2	73.2	**42.2**	**1.00 0.25 0.00**
r50|	52.8	38.2	63.2	73.9	**58.8**	**1.00 0.50 0.00**
r75|	65.4	20.5	79.9	82.5	**75.5**	**1.00 0.75 0.00**
j00|J-J	83.9	−4.3	106.1	106.2	**92.3**	**1.00 1.00 0.00**
j25|	70.7	−31.0	86.2	91.6	**109.8**	**0.75 1.00 0.00**
j50|	57.4	−50.3	66.1	83.1	**127.2**	**0.50 1.00 0.00**
j75|	43.6	−62.7	44.2	76.7	**144.7**	**0.25 1.00 0.00**
g00|b-G	46.8	−58.9	18.9	61.8	**162.1**	**0.00 1.00 0.00**
g25|	49.7	−45.9	−7.7	46.6	**189.5**	**0.00 1.00 0.50**
g50|	51.7	−33.5	−25.2	41.9	**216.9**	**0.00 1.00 1.00**
g75|	46.8	−17.2	−35.9	39.9	**244.3**	**0.00 0.50 1.00**
b00|v-B	38.1	1.3	−43.4	43.5	**271.7**	**0.00 0.00 1.00**
b25|	24.2	31.0	−53.4	61.7	**300.1**	**0.50 0.00 1.00**
b50|	30.3	68.8	−42.0	80.6	**328.6**	**1.00 0.00 1.00**
b75|	35.8	67.2	−34.4	67.3	**357.0**	**1.00 0.00 0.50**

5 step equidistant grey scale: L^* = 8.6, 29.6, 50.6, 71.6, 92.6

Code	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	h_{ab}	*rgb → rgb**
n000w=N	**8.7**	0.0	0.0	0.0	1.2	**0.00 0.00 0.00**
n025w	**29.6**	−0.3	−1.3	1.3	256.8	**0.25 0.25 0.25**
n050w	**50.7**	−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**

KE110−4N, photo printer, printer separation olv*

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

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

Code	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	h_{ab}	*rgb → rgb**
r00|R-R	48.7	66.7	31.8	73.9	**25.4**	**1.00 0.00 0.00**
r25|	54.5	52.9	47.9	71.4	**42.2**	**1.00 0.25 0.00**
r50|	63.2	35.0	58.0	67.8	**58.9**	**1.00 0.50 0.00**
r75|	72.7	17.6	74.6	76.6	**76.5**	**1.00 0.75 0.00**
j00|J-J	86.1	−3.3	83.2	83.3	**92.3**	**1.00 1.00 0.00**
j25|	77.8	−25.0	69.6	74.0	**109.8**	**0.75 1.00 0.00**
j50|	67.1	−40.9	53.7	67.6	**127.2**	**0.50 1.00 0.00**
j75|	59.6	−55.6	39.3	68.2	**144.7**	**0.25 1.00 0.00**
g00|b-G	56.9	−61.5	19.6	64.5	**162.2**	**0.00 1.00 0.00**
g25|	59.3	−50.5	−8.5	51.2	**189.4**	**0.00 1.00 0.50**
g50|	61.3	−39.1	−29.4	49.0	**216.9**	**0.00 1.00 1.00**
g75|	56.0	−20.6	−43.0	47.7	**244.3**	**0.00 0.50 1.00**
b00|v-B	41.2	1.3	−45.0	45.0	**271.7**	**0.00 0.00 1.00**
b25|	27.5	27.2	−46.9	54.2	**300.1**	**0.50 0.00 1.00**
b50|	37.4	50.1	−30.6	58.7	**328.5**	**1.00 0.00 1.00**
b75|	49.4	72.4	−3.7	72.5	**357.0**	**1.00 0.00 0.50**

5 step equidistant grey scale: L^* = 22.2, 40.7, 59.3, 77.8, 96.3

Code	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	h_{ab}	*rgb → rgb**
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	100.0	**1.00 1.00 1.00**

KE110−8N, Offset print, model separation cmyn6*

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

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

Code	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	h_{ab}	*rgb → rgb**
r00|-R	48.2	65.2	31.0	72.2	**25.4**	**1.00 0.00 0.00**
r25|	51.8	57.4	52.0	77.5	**42.1**	**1.00 0.25 0.00**
r50|	61.9	37.5	62.1	72.5	**58.8**	**1.00 0.50 0.00**
r75|	72.0	18.5	72.0	74.4	**75.5**	**1.00 0.75 0.00**
j00|-J	84.7	−3.4	85.8	85.9	**92.2**	**1.00 1.00 0.00**
j25|	83.4	−28.5	79.1	84.1	**109.8**	**0.75 1.00 0.00**
j50|	70.1	−43.1	56.8	71.3	**127.2**	**0.50 1.00 0.00**
j75|	59.5	−59.6	42.1	73.0	**144.7**	**0.25 1.00 0.00**
g00|b-G	57.9	−55.5	17.8	58.3	**162.2**	**0.00 1.00 0.00**
g25|	58.9	−44.4	−7.4	45.0	**189.5**	**0.00 1.00 0.50**
g50|	54.0	−28.6	−25.1	38.1	**221.7**	**0.00 1.00 1.00**
g75|	50.5	−23.4	−48.8	54.1	**244.3**	**0.00 0.50 1.00**
b00|v-B	36.8	1.4	−48.3	48.4	**271.7**	**0.00 0.00 1.00**
b25|	37.0	23.4	−40.4	46.7	**300.1**	**0.50 0.00 1.00**
b50|	41.0	47.8	−29.2	56.0	**328.5**	**1.00 0.00 1.00**
b75|	48.0	75.0	−3.8	75.1	**357.0**	**1.00 0.00 0.50**

5 step equidistant grey scale: L^* = 12.9, 34.0, 55.1, 76.1, 97.2

Code	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	h_{ab}	*rgb → rgb**
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**

KE111−3N, Laser printer, printer separation olv*

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

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

Code	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	h_{ab}	*rgb → rgb**
r00|-R	45.1	61.9	29.5	68.6	**25.4**	**1.00 0.00 0.00**
r25|	51.5	57.4	52.1	77.5	**42.2**	**1.00 0.25 0.00**
r50|	61.7	37.6	62.4	72.9	**58.9**	**1.00 0.50 0.00**
r75|	72.0	18.4	71.8	74.1	**75.6**	**1.00 0.75 0.00**
j00|-J	84.8	−2.9	74.1	74.2	**92.3**	**1.00 1.00 0.00**
j25|	83.4	−28.0	77.6	82.5	**109.8**	**0.75 1.00 0.00**
j50|	69.7	−43.5	57.2	71.8	**127.2**	**0.50 1.00 0.00**
j75|	60.1	−57.8	40.9	70.8	**144.7**	**0.25 1.00 0.00**
g00|b-G	56.2	−60.0	19.2	63.0	**162.2**	**0.00 1.00 0.00**
g25|	57.4	−48.6	−8.1	49.3	**189.4**	**0.00 1.00 0.50**
g50|	54.5	−38.1	−28.7	47.7	**216.9**	**0.00 1.00 1.00**
g75|	48.9	−22.9	−47.9	53.1	**244.3**	**0.00 0.50 1.00**
b00|v-B	34.9	1.5	−48.9	48.9	**271.7**	**0.00 0.00 1.00**
b25|	30.7	24.9	−42.9	49.6	**300.1**	**0.50 0.00 1.00**
b50|	33.8	49.0	−29.9	57.4	**328.6**	**1.00 0.00 1.00**
b75|	44.6	69.9	−3.6	70.0	**357.0**	**1.00 0.00 0.50**

5 step equidistant grey scale: L^* = 13.0, 34.0, 55.0, 76.1, 97.1

Code	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	h_{ab}	*rgb → rgb**
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**

KE111−7K, Laser printer, model separation cmyn62*

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

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

Code	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	h_{ab}	*rgb → rgb**
r00|R-R	45.1	61.9	29.5	68.6	**25.4**	**1.00 0.00 0.00**
r25|	51.5	57.4	52.1	77.5	**42.2**	**1.00 0.25 0.00**
r50|	61.7	37.6	62.4	72.9	**58.9**	**1.00 0.50 0.00**
r75|	72.0	18.4	71.8	74.1	**75.6**	**1.00 0.75 0.00**
j00|J-J	84.8	−2.9	74.1	74.2	**92.3**	**1.00 1.00 0.00**
j25|	83.4	−28.0	77.6	82.5	**109.8**	**0.75 1.00 0.00**
j50|	69.7	−43.5	57.2	71.8	**127.2**	**0.50 1.00 0.00**
j75|	60.1	−57.8	40.9	70.8	**144.7**	**0.25 1.00 0.00**
g00|b-G	56.2	−60.0	19.2	63.0	**162.2**	**0.00 1.00 0.00**
g25|	57.4	−48.6	−8.1	49.3	**189.4**	**0.00 1.00 0.50**
g50|	54.5	−38.1	−28.7	47.7	**216.9**	**0.00 1.00 1.00**
g75|	48.9	−22.9	−47.9	53.1	**244.3**	**0.00 0.50 1.00**
b00|v-B	34.9	1.5	−48.9	48.9	**271.7**	**0.00 0.00 1.00**
b25|	30.7	24.9	−42.9	49.6	**300.1**	**0.50 0.00 1.00**
b50|	33.8	49.0	−29.9	57.4	**328.6**	**1.00 0.00 1.00**
b75|	44.6	69.9	−3.6	70.0	**357.0**	**1.00 0.00 0.50**

5 step equidistant grey scale: L^* = 13.0, 34.0, 55.0, 76.1, 97.1

Code	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	h_{ab}	*rgb → rgb**
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**

KE111−8K, Laser printer, model separation cmyn62*

TUB-test chart KE11; *rgb** and CIE data of 4 printer devices input: *w setgray*
RJGB and intermediate colours between RJGB and NW, 5 greys output: no change compared to input