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

XYZ, YAB$_a$, and *Lab**$_a$ data for relative spacing of elementary hue $h_{AB,a}$ of *YAB*$_a$

16 step elementary hue circle with intended elementary hues: $h_{AB,a}$ = 17.8, 93.1, 159.3, 270.5

Code	*X*	*Y*	*Z*	*a*	*b*	A_a	B_a	$C_{AB,a}$	$h_{AB,a}$	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h_{ab,a}$	*rgb* −> *rgb**$_e$		
R00Y=R	31.3	17.3	6.3	1.805	−0.145	14.9	4.7	15.6	**17.8**	48.7	66.6	33.0	74.3	26.3	**1.00**	**0.00**	**0.00**
R25Y	37.1	26.5	5.6	1.398	−0.085	12.0	8.9	14.9	**36.6**	58.5	44.4	52.6	68.8	49.7	**1.00**	**0.25**	**0.00**
R50Y	43.6	36.8	6.8	1.184	−0.074	8.8	12.8	15.5	**55.5**	67.1	27.7	62.4	68.3	66.0	**1.00**	**0.50**	**0.00**
R75Y	51.1	48.9	8.1	1.045	−0.066	4.8	17.3	18.0	**74.2**	75.3	13.2	71.7	72.9	79.5	**1.00**	**0.75**	**0.00**
Y00G=Y	62.9	68.0	10.2	0.925	−0.06	−1.3	24.6	24.6	**93.1**	86.0	−3.2	83.1	83.2	92.2	**1.00**	**1.00**	**0.00**
Y25G	49.0	59.9	9.6	0.817	−0.064	−7.6	21.4	22.8	**109.7**	81.8	−20.0	77.8	80.4	104.4	**0.75**	**1.00**	**0.00**
Y50G	29.4	41.9	9.3	0.701	−0.089	−10.2	13.9	17.3	**126.2**	70.8	−35.5	59.8	69.6	120.7	**0.50**	**1.00**	**0.00**
Y75G	16.6	29.3	9.9	0.568	−0.135	−11.0	8.3	13.8	**142.7**	61.0	−51.9	41.4	66.4	141.4	**0.25**	**1.00**	**0.00**
G00B=G	12.2	24.9	15.6	0.493	−0.251	−11.2	4.2	12.0	**159.3**	56.9	−61.5	19.7	64.6	162.1	**0.00**	**1.00**	**0.00**
G25B	15.1	27.0	31.8	0.558	−0.47	−10.4	−1.3	10.5	**187.1**	59.0	−52.2	−4.7	52.4	185.1	**0.00**	**1.00**	**0.50**
G50B	17.4	28.5	46.6	0.612	−0.654	−9.5	−6.6	11.5	**214.8**	60.3	−44.5	−20.4	49.0	204.7	**0.00**	**1.00**	**1.00**
G75B	21.9	31.4	71.0	0.697	−0.904	−7.8	−15.1	17.0	**242.7**	62.8	−33.0	−38.9	51.0	229.6	**0.00**	**0.50**	**1.00**
B00R=B	11.8	12.4	40.3	0.954	−1.301	0.1	−10.9	10.9	**270.5**	41.8	0.4	−44.9	44.9	270.5	**0.00**	**0.00**	**1.00**
B25R	9.4	6.1	23.9	1.537	−1.564	3.6	−6.9	7.8	**297.3**	29.7	34.1	−42.6	54.6	308.6	**0.50**	**0.00**	**1.00**
B50R	17.2	9.9	24.5	1.725	−0.984	7.7	−5.6	9.5	**324.2**	37.8	51.0	−29.9	59.1	329.6	**1.00**	**0.00**	**1.00**
B75R	32.4	17.2	24.6	1.88	−0.57	16.1	−2.5	16.3	**350.9**	48.6	71.2	−11.6	72.2	350.7	**1.00**	**0.00**	**0.50**

5 step equidistant grey scale with intended lightness: *L = 22.2, 40.7, 59.3, 77.8, 96.3**

Code	*X*	*Y*	*Z*	*a*	*b*	A_a	B_a	$C_{AB,a}$	$h_{AB,a}$	L^*_a	a^*_a	b^*_a	$C^*_{ab,a}$	$h_{ab,a}$	*rgb* −> *rgb**$_e$		
n000w=N	3.5	3.6	3.8	0.955	−0.421	0.0	0.0	0.0	0.5	**22.5**	0.0	0.0	0.0	37.9	**0.00**	**0.00**	**0.00**
n025w	11.1	11.7	12.9	0.946	−0.441	0.0	−0.2	0.2	271.5	**40.8**	−0.3	−1.4	1.4	256.8	**0.25**	**0.25**	**0.25**
n050w	25.7	27.2	30.0	0.944	−0.44	0.0	−0.4	0.5	266.5	**59.2**	−0.3	−1.8	1.8	258.1	**0.50**	**0.50**	**0.50**
n075w	49.9	52.9	57.3	0.944	−0.433	0.0	−0.6	0.6	264.9	**77.8**	−0.2	−1.4	1.4	259.2	**0.75**	**0.75**	**0.75**
n100w=W	86.0	91.0	95.9	0.945	−0.421	0.0	0.0	0.0	99.2	**96.4**	0.0	0.0	0.0	100.0	**1.00**	**1.00**	**1.00**