

rgb*_e and CIE data of a elementary hue circle according to CIE R1-47:2009 for offset print**XYZ, Lab*, 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	x	y	h_{AB}	L^*	a^*	b^*	L^*_{a}	a^*_{a}	b^*_{a}	$C^*_{ab,a}$	$h_{ab,a}$	$rgb \rightarrow rgb^*_e$
R00Y=R	31.3	17.3	6.3	0.569	0.315	17.8	48.7	66.5	34.1	48.7	66.6	33.0	74.3	26.3	1.00 0.00 0.00
R25Y	37.1	26.5	5.6	0.535	0.382	36.6	58.5	44.1	53.9	58.5	44.4	52.6	68.8	49.7	1.00 0.25 0.00
R50Y	43.6	36.8	6.8	0.499	0.422	55.5	67.1	27.2	63.9	67.1	27.7	62.4	68.3	66.0	1.00 0.50 0.00
R75Y	51.1	48.9	8.1	0.472	0.452	74.2	75.3	12.7	73.4	75.3	13.2	71.7	72.9	79.5	1.00 0.75 0.00
Y00G=Y	62.9	68.0	10.2	0.445	0.481	93.1	86.0	-3.8	84.9	86.0	-3.2	83.1	83.2	92.2	1.00 1.00 0.00
Y25G	49.0	59.9	9.6	0.413	0.505	109.7	81.8	-20.6	79.6	81.8	-20.0	77.8	80.4	104.4	0.75 1.00 0.00
Y50G	29.4	41.9	9.3	0.364	0.519	126.2	70.8	-36.0	61.4	70.8	-35.5	59.8	69.6	120.7	0.50 1.00 0.00
Y75G	16.6	29.3	9.9	0.298	0.524	142.7	61.0	-52.2	42.8	61.0	-51.9	41.4	66.4	141.4	0.25 1.00 0.00
G00B=G	12.2	24.9	15.6	0.232	0.471	159.3	56.9	-61.8	21.0	56.9	-61.5	19.7	64.6	162.1	0.00 1.00 0.00
G25B	15.1	27.0	31.8	0.204	0.365	187.1	59.0	-52.5	-3.3	59.0	-52.2	-4.7	52.4	185.1	0.00 1.00 0.50
G50B	17.4	28.5	46.6	0.188	0.307	214.8	60.3	-44.8	-19.1	60.3	-44.5	-20.4	49.0	204.7	0.00 1.00 1.00
G75B	21.9	31.4	71.0	0.176	0.252	242.7	62.8	-33.3	-37.5	62.8	-33.0	-38.9	51.0	229.6	0.00 0.50 1.00
B00R=B	11.8	12.4	40.3	0.183	0.192	270.5	41.8	0.3	-43.9	41.8	0.4	-44.9	44.9	270.5	0.00 0.00 1.00
B25R	9.4	6.1	23.9	0.238	0.155	297.3	29.7	34.2	-41.9	29.7	34.1	-42.6	54.6	308.6	0.50 0.00 1.00
B50R	17.2	9.9	24.5	0.332	0.192	324.2	37.8	51.0	-28.9	37.8	51.0	-29.9	59.1	329.6	1.00 0.00 1.00
B75R	32.4	17.2	24.6	0.436	0.232	350.9	48.6	71.1	-10.4	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	x	y	h_{AB}	L^*	a^*	b^*	L^*_{a}	a^*_{a}	b^*_{a}	$C^*_{ab,a}$	$h_{ab,a}$	$rgb \rightarrow rgb^*_e$
n000w=N	3.5	3.6	3.8	0.317	0.332	0.5	22.5	0.2	0.7	22.5	0.0	0.0	0.0	37.9	0.00 0.00 0.00
n025w	11.1	11.7	12.9	0.31	0.327	271.5	40.8	-0.3	-0.4	40.8	-0.3	-1.4	1.4	256.8	0.25 0.25 0.25
n050w	25.7	27.2	30.0	0.31	0.328	266.5	59.2	-0.6	-0.4	59.2	-0.3	-1.8	1.8	258.1	0.50 0.50 0.50
n075w	49.9	52.9	57.3	0.311	0.33	264.9	77.8	-0.8	0.2	77.8	-0.2	-1.4	1.4	259.2	0.75 0.75 0.75
n100w=W	86.0	91.0	95.9	0.315	0.333	99.2	96.4	-0.8	2.1	96.4	0.0	0.0	0.0	100.0	1.00 1.00 1.00

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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