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

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

Code	X	Y	Z	x	y	L*	a*	b*	L*	a*	b*	C _{ab} *	h _{ab}	rgb*
r00R	16.4	8.1	3.5	0.584	0.288	34.1	62.1	22.5	34.1	61.4	29.2	68.0	25.4	1.00 0.00 0.00
r25J	19.7	11.2	2.1	0.596	0.339	39.9	54.2	49.5	39.9	54.2	49.2	73.2	42.2	1.00 0.25 0.00
r50J	28.7	20.9	3.2	0.543	0.395	52.8	38.7	56.7	52.8	38.2	63.2	73.9	58.8	1.00 0.50 0.00
r75J	39.1	34.6	4.0	0.502	0.444	65.4	20.9	73.5	65.4	20.5	79.9	82.5	75.5	1.00 0.75 0.00
r100J	59.1	63.9	5.1	0.46	0.498	83.9	-4.0	99.9	83.9	-4.3	106.1	106.2	92.3	1.00 1.00 0.00
j25G	30.7	41.7	4.6	0.398	0.541	70.7	-30.6	79.8	70.7	-31.0	86.2	91.6	109.8	0.75 1.00 0.00
j50G	14.4	25.3	4.0	0.328	0.578	57.4	-49.8	59.7	57.4	-50.3	66.1	83.1	127.2	0.50 1.00 0.00
j75G	5.6	13.6	3.7	0.245	0.591	43.6	-62.1	37.6	43.6	-62.7	44.2	76.7	144.7	0.25 1.00 0.00
g00B-G	7.3	15.9	12.0	0.207	0.45	46.8	-58.3	12.3	46.8	-58.9	18.9	61.8	162.2	0.00 1.00 0.00
g25B	10.2	18.2	28.3	0.19	0.32	49.7	-45.4	-14.3	49.7	-45.9	-7.7	46.6	189.5	0.00 1.00 0.50
g50B	13.1	19.8	44.6	0.169	0.255	51.7	-32.9	-31.8	51.7	-33.5	-25.2	41.9	217.0	0.00 1.00 1.00
g75B	12.4	15.9	46.8	0.166	0.211	46.8	-17.2	-42.5	46.8	-17.2	-35.9	39.9	244.3	0.00 0.50 1.00
b00R-B	9.9	10.1	40.2	0.164	0.168	38.1	1.9	-50.1	38.1	1.3	-43.4	43.5	271.7	0.00 0.00 1.00
b25r	6.5	4.1	29.6	0.152	0.103	24.2	31.8	-42.2	24.2	31.8	-42.2	61.3	271.7	0.00 0.00 1.00
b50r	14.8	6.3	28.9	0.296	0.127	30.3	69.6	-48.0	30.3	68.8	-42.0	80.6	328.6	1.00 0.00 1.00
b75r	18.7	8.9	13.3	0.457	0.216	35.8	67.9	-10.1	35.8	67.2	-3.4	67.3	357.0	1.00 0.00 0.50

5 step equidistant gray scale with intended lightness: $L^* = 8.6, 29.6, 50.6, 71.6, 92.6$

Code	X	Y	Z	x	y	L*	a*	b*	L*	a*	b*	C _{ab} *	h _{ab}	rgb*
n00W=N	0.9	0.9	1.6	0.264	0.271	8.7	0.9	-6.9	8.7	0.0	0.0	0.0	1.2	0.00 0.00 0.00
n025W	5.8	6.0	10.8	0.256	0.268	29.6	0.3	-13.9	29.6	-0.3	-7.1	7.1	266.8	0.25 0.25 0.25
n050W	17.6	19.0	27.8	0.273	0.294	50.6	0.0	-24.2	50.6	0.0	0.0	0.0	242.0	0.50 0.50 0.50
n075W	40.6	43.2	58.5	0.285	0.303	71.7	-1.4	-11.4	71.7	-1.8	5.0	5.0	250.0	0.75 0.75 0.75
n100W=W	78.1	82.2	98.6	0.301	0.317	92.6	0.1	-6.1	92.6	0.0	0.0	0.0	220.9	1.00 1.00 1.00

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

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

Code	X	Y	Z	x	y	L*	a*	b*	L*	a*	b*	C _{ab} *	h _{ab}	rgb*
r00R	31.4	17.3	6.6	0.566	0.313	48.7	66.5	32.9	48.7	66.7	31.8	73.9	25.4	1.00 0.00 0.00
r25J	34.5	22.5	5.1	0.555	0.361	54.5	52.4	49.2	54.5	52.9	47.9	71.4	42.2	1.00 0.25 0.00
r50J	40.5	31.9	6.2	0.514	0.405	63.2	34.6	59.5	63.2	35.0	58.0	67.8	58.8	1.00 0.50 0.00
r75J	48.6	44.8	7.6	0.48	0.443	72.7	17.1	70.4	72.7	17.6	68.8	71.1	75.5	1.00 0.75 0.00
r100J	63.1	68.2	10.2	0.445	0.481	86.1	-4.0	85.1	86.1	-3.3	83.2	83.3	92.3	1.00 1.00 0.00
j25G	41.3	53.0	10.1	0.396	0.507	77.8	-25.6	71.3	77.8	-25.0	69.6	74.0	109.8	0.75 1.00 0.00
j50G	24.2	36.8	9.3	0.344	0.523	67.1	-41.3	55.2	67.1	-40.9	53.7	67.6	127.3	0.50 1.00 0.00
j75G	14.9	27.7	9.8	0.285	0.527	59.6	-56.0	40.7	59.6	-55.6	39.3	68.2	144.7	0.25 1.00 0.00
g00B-G	12.2	24.9	15.6	0.232	0.471	56.9	-61.7	20.9	56.9	-61.5	19.6	64.5	162.2	0.00 1.00 0.00
g25B	15.6	27.3	35.0	0.2	0.35	59.3	-50.8	-7.1	59.3	-50.5	-8.5	51.2	189.5	0.00 1.00 0.50
g50B	19.3	27.3	49.1	0.181	0.242	61.3	-29.1	-49.4	61.3	-29.4	-49.0	49.0	216.9	0.00 1.00 1.00
g75B	18.4	23.9	62.3	0.176	0.228	56.0	-20.9	-41.7	56.0	-20.6	-43.0	47.7	244.3	0.00 0.50 1.00
b00R-B	11.6	12.0	39.6	0.183	0.19	41.2	1.3	-44.0	41.2	1.3	-45.0	45.0	271.7	0.00 0.00 1.00
b25r	7.5	5.3	24.3	0.203	0.142	27.5	27.4	-46.1	27.5	27.2	-46.9	54.2	300.1	0.50 0.00 1.00
b50r	16.8	9.8	24.6	0.327	0.191	37.4	50.1	-29.6	37.4	50.1	-29.6	58.7	328.5	1.00 0.00 1.00
b75r	33.8	17.9	20.9	0.465	0.247	49.4	72.2	-2.5	49.4	72.4	-3.7	72.5	357.0	1.00 0.00 0.50

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

Code	X	Y	Z	x	y	L*	a*	b*	L*	a*	b*	C _{ab} *	h _{ab}	rgb*
n00W=N	3.5	3.6	3.8	0.317	0.332	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	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	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	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	96.4	-0.8	2.1	96.4	0.0	0.0	0.0	210.0	1.00 1.00 1.00

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TUB-test chart KE10; **rgb*** and CIE data of 4 printer devices
 16 steps of elementary hue circle and 5 grey steps

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

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

Code	X	Y	Z	x	y	L*	a*	b*	L*	a*	b*	C _{ab} *	h _{ab}	rgb*
r00R-R	30.4	16.9	6.4	0.564	0.315	48.2	65.1	32.6	48.2	65.2	31.0	72.2	25.4	1.00 0.00 0.00
r25J	32.5	20.0	3.4	0.581	0.357	51.8	57.3	51.8	57.3	51.8	57.4	52.0	42.2	1.00 0.25 0.00
r50J	39.5	30.3	4.8	0.529	0.406	61.9	37.2	63.7	61.9	37.5	62.1	72.5	58.8	1.00 0.50 0.00
r75J	47.8	43.7	6.4	0.487	0.446	72.0	18.0	73.7	72.0	18.5	72.0	74.4	75.5	1.00 0.75 0.00
r100J	60.4	65.4	8.6	0.449	0.486	84.7	-4.0	87.6	84.7	-3.4	85.8	85.9	92.2	1.00 1.00 0.00
j25G	44.8	62.9	10.0	0.398	0.518	83.4	-29.0	80.9	83.4	-28.5	79.1	84.1	109.8	0.75 1.00 0.00
j50G	26.7	40.9	9.9	0.344	0.527	70.1	-43.6	58.5	70.1	-43.1	56.8	71.3	127.2	0.50 1.00 0.00
j75G	14.2	27.6	8.7	0.281	0.545	59.5	-59.9	43.8	59.5	-59.6	42.1	73.0	144.7	0.25 1.00 0.00
g00B-G	13.7	25.8	17.1	0.242	0.455	57.9	-55.8	19.4	57.9	-55.5	17.8	58.3	162.2	0.00 1.00 0.00
g25B	16.3	26.9	33.5	0.213	0.35	58.9	-44.7	-5.8	58.9	-44.4	-7.4	45.0	189.5	0.00 1.00 0.50
g50B	13.8	22.0	44.3	0.172	0.274	54.0	-38.8	-27.4	54.0	-38.6	-29.1	48.3	217.0	0.00 1.00 1.00
g75B	13.8	18.8	57.7	0.153	0.208	50.5	-23.5	-47.1	50.5	-23.4	-48.8	54.1	244.3	0.00 0.50 1.00
b00R-B	9.1	9.4	35.7	0.168	0.174	36.8	1.5	-46.8	36.8	1.4	-48.3	48.4	271.7	0.00 0.00 1.00
b25r	5.1	4.5	30.1	0.235	0.184	37.0	23.4	-38.8	37.0	23.4	-40.4	46.7	300.1	0.50 0.00 1.00
b50r	19.3	11.9	27.2	0.329	0.203	41.0	47.7	-27.6	41.0	47.8	-29.2	56.0	328.5	1.00 0.00 1.00
b75r	32.8	16.8	19.4	0.475	0.243	48.0	74.8	-2.2	48.0	75.0	-3.8	75.1	357.0	1.00 0.00 0.50

5 step equidistant gray scale with intended lightness: $L^* = 12.9, 34.0, 55.1, 76.1, 97.2$

Code	X	Y	Z	x	y	L*	a*	b*	L*	a*	b*	C _{ab} *	h _{ab}	rgb*
n00W=N	1.6	1.7	1.7	0.322	0.336	13.9	0.3	1.2	13.9	0.0	-0.2	0.2	266.4	0.00 0.00 0.00
n025W	7.6	8.0	8.6	0.313	0.329	34.0	0.0	0.2	34.0	0.0	-1.3	1.3	267.9	0.25 0.25 0.25
n050W	21.8	21.8	24.0	0.31	0.32	55.1	-0.2	0.2	55.1	-0.2	1.3	1.3	270.7	0.50 0.50 0.50
n075W	47.4	50.1	53.5	0.314	0.331	76.1	-0.4	0.9	76.1	0.0	-0.7	0.7	276.4	0.75 0.75 0.75
n100W=W	88.2	93.4	98.7	0.314	0.333	97.3	-0.9	1.8	97.3	0.0	0.0	0.0	150.0	1.00 1.00 1.00

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

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

Code	X	Y	Z	x	y	L*	a*	b*	L*	a*	b*	C _{ab} *	h _{ab}	rgb*
r00R-R	26.2	14.6	5.6	0.563	0.315	45.1	61.8	30.9	45.1	61.9	29.5	68.6	25.4	1.00 0.00 0.00
r25J	32.0	19.7	3.3	0.581	0.357	51.5	57.1	53.5	51.5	57.4	52.1	73.5	42.2	1.00 0.25 0.00
r50J	39.3	30.1	4.6	0.53	0.406	61.7	37.2	64.0	61.7	37.6	62.2	72.9	58.8	1.00 0.50 0.00
r75J	47.7	43.7	6.5	0.486	0.446	72.0	17.8	73.4	72.0	18.4	71.8	74.1	75.5	1.00 0.75 0.00
r100J	60.8	65.7	12.8	0.436	0.471	84.8	-37	75.9	84.8	-29	74.1	74.2	92.3	1.00 1.00 0.00
j25q	48.5	62.9	10.5	0.397	0.515	83.4	-28.7	79.4	83.4	-28.0	77.6	82.5	109.8	0.75 1.00 0.00
j50q	56.1	40.3	9.5	0.344	0.53	69.7	-44.1	58.8	69.7	-43.5	57.2	71.8	127.2	0.50 1.00 0.00
j75q	59.4	28.3	9.5	0.283	0.535	60.1	-58.2	42.4	60.1	-57.8	40.9	70.8	144.7	0.25 1.00 0.00
j100Q-G	62.2	23.3	10.2	0.239	0.562	50.0	-70.0	27.9	50.0	-69.6	27.9	68.6	162.2	0.00 1.00 0.00
g25b	44.7	25.3	32.0	0.205	0.351	57.4	-47.4	-6.4	57.4	-47.0	-7.9	47.7	189.6	0.00 1.00 0.50
g50b	14.2	22.4	44.8	0.174	0.275	54.5	-38.4	-27.2	54.5	-38.1	-28.7	47.7	216.9	0.00 1.00 1.00
g75b	12.8	17.5	54.0	0.151	0.207	48.9	-23.2	-46.4	48.9	-22.9	-47.9	33.1	244.3	0.00 0.50 1.00
blue-B	8.2	8.4	33.8	0.162	0.167	34.9	1.4	-47.5	34.9	1.5	-48.9	48.9	271.7	0.00 0.00 1.00
b25R	13.9	24.2	43.9	0.162	0.200	50.0	70.0	-27.9	50.0	69.6	-27.9	68.6	162.2	0.00 0.75 0.00
b50R	13.9	7.9	24.0	0.329	0.187	33.8	40.9	-28.6	33.8	40.9	-29.9	57.2	328.6	1.00 0.00 1.00
b75R	27.6	14.3	16.6	0.472	0.244	44.6	69.7	-22	44.6	69.9	-36.0	75.0	357.0	1.00 0.00 0.50