

rgb*_e and CIE data of a elementary hue circle according to CIE R1-47 for Ostwald colours

XYZ, xy, YAB, and Lab* data for relative spacing of elementary hue h_{ab} of CIELAB, $Y_W=100$, $Y_N=0$

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

	X	Y	Z	x	y	A	B	C _{AB}	h _{AB}	L*	a*	b*	C* _{ab}	h _{ab}	rgb -> rgb* _e
R00Y=R	66.0	41.1	20.9	0.515	0.321	26.9	9.5	28.5	19.5	70.3	70.9	33.4	78.4	25.2	1.00 0.00 0.00
R25Y	64.0	41.5	6.4	0.571	0.371	24.5	15.5	29.0	32.3	70.5	65.1	71.4	96.6	47.6	1.00 0.25 0.00
R50Y	62.6	41.7	1.0	0.593	0.396	22.8	17.7	28.9	37.8	70.7	61.2	106.3	122.7	60.0	1.00 0.50 0.00
R75Y	71.1	58.7	0.1	0.546	0.451	15.3	25.5	29.7	59.0	81.1	35.2	137.3	141.7	75.6	1.00 0.75 0.00
Y00G=Y	76.8	83.9	1.3	0.473	0.517	-2.9	36.0	36.1	94.7	93.4	-5.9	141.9	142.0	92.3	1.00 1.00 0.00
Y25G	65.9	89.6	6.7	0.406	0.552	-19.2	36.3	41.1	117.8	95.8	-39.4	113.6	120.3	109.1	0.75 1.00 0.00
Y50G	43.7	79.6	8.1	0.332	0.605	-31.9	31.4	44.7	135.4	91.5	-77.3	101.2	127.3	127.3	0.50 1.00 0.00
Y75G	26.4	67.7	12.4	0.247	0.635	-38.0	24.5	45.2	147.1	85.9	-113.0	78.6	137.7	145.1	0.25 1.00 0.00
G00B=G	21.8	61.8	31.6	0.189	0.536	-36.9	14.2	39.5	158.8	82.8	-119.5	37.9	125.4	162.3	0.00 1.00 0.00
G25B	27.8	58.9	81.5	0.165	0.349	-28.1	-6.9	28.9	193.9	81.2	-86.9	-13.9	88.0	189.1	0.00 1.00 0.50
G50B	25.6	45.4	108.70	0.142	0.252	-17.5	-23.7	29.5	233.5	73.1	-61.3	-46.1	76.7	216.9	0.00 1.00 1.00
G75B	20.2	29.3	108.40	0.128	0.185	-7.6	-30.6	31.5	256.0	61.0	-33.4	-66.8	74.7	243.4	0.00 0.50 1.00
B00R=B	18.4	18.7	107.70	0.127	0.129	0.6	-34.9	34.9	271.0	50.4	3.3	-84.8	84.9	272.2	0.00 0.00 1.00
B25R	18.0	8.8	105.20	0.136	0.067	9.5	-38.2	39.4	284.0	35.7	64.2	-108.5	126.1	300.6	0.50 0.00 1.00
B50R	61.7	26.3	99.4	0.329	0.14	36.7	-28.3	46.3	322.3	58.3	112.5	-65.8	130.3	329.6	1.00 0.00 1.00
B75R	71.2	40.6	51.0	0.437	0.249	32.5	-2.6	32.6	355.2	69.9	83.6	-7.1	83.9	355.1	1.00 0.00 0.50

5 step equidistant grey scale with intended lightness: $L^* = 0.0, 25.0, 50.0, 75.0, 100.0$

N000W=N	0.0	0.0	0.0	0.311	0.327	0.0	0.0	0.0	71.0	0.0	0.0	0.0	0.0	0.0	0.00 0.00 0.00
N025W	4.1	4.4	4.8	0.312	0.329	0.0	0.0	0.0	77.2	25.0	0.0	0.0	0.0	0.0	0.25 0.25 0.25
N050W	17.5	18.4	20.0	0.312	0.329	0.0	0.0	0.0	53.5	50.0	0.0	0.0	0.0	0.0	0.50 0.50 0.50
N075W	45.8	48.2	52.5	0.312	0.329	0.0	0.0	0.0	23.1	75.0	0.0	0.0	0.0	0.0	0.75 0.75 0.75
N100W=W	95.0	100.0	108.80	0.312	0.329	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	1.00 1.00 1.00

AEP60-3N

rgb*_e and CIE data of a elementary hue circle according to CIE R1-47 for Ostwald colours

XYZ, xy, YAB, and Lab* data for relative spacing of elementary hue h_{ab} of CIELAB, $Y_W=100$, $Y_N=2.5$

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

	X	Y	Z	x	y	A	B	C _{AB}	h _{AB}	L*	a*	b*	C* _{ab}	h _{ab}	rgb -> rgb* _e
R00Y=R	66.0	41.1	20.9	0.515	0.321	26.9	9.5	28.5	19.5	70.3	70.9	33.4	78.4	25.2	1.00 0.00 0.00
R25Y	64.0	41.5	6.4	0.571	0.371	24.5	15.5	29.0	32.3	70.5	65.1	71.4	96.6	47.6	1.00 0.25 0.00
R50Y	62.6	41.7	1.0	0.593	0.396	22.8	17.7	28.9	37.8	70.7	61.2	106.3	122.7	60.0	1.00 0.50 0.00
R75Y	71.1	58.7	0.1	0.546	0.451	15.3	25.5	29.7	59.0	81.1	35.2	137.3	141.7	75.6	1.00 0.75 0.00
Y00G=Y	76.8	83.9	1.3	0.473	0.517	-2.9	36.0	36.1	94.7	93.4	-5.9	141.9	142.0	92.3	1.00 1.00 0.00
Y25G	65.9	89.6	6.7	0.406	0.552	-19.2	36.3	41.1	117.8	95.8	-39.4	113.6	120.3	109.1	0.75 1.00 0.00
Y50G	43.7	79.6	8.1	0.332	0.605	-31.9	31.4	44.7	135.4	91.5	-77.3	101.2	127.3	127.3	0.50 1.00 0.00
Y75G	26.4	67.7	12.4	0.247	0.635	-38.0	24.5	45.2	147.1	85.9	-113.0	78.6	137.7	145.1	0.25 1.00 0.00
G00B=G	21.8	61.8	31.6	0.189	0.536	-36.9	14.2	39.5	158.8	82.8	-119.5	37.9	125.4	162.3	0.00 1.00 0.00
G25B	27.8	58.9	81.5	0.165	0.349	-28.1	-6.9	28.9	193.9	81.2	-86.9	-13.9	88.0	189.1	0.00 1.00 0.50
G50B	25.6	45.4	108.70	0.142	0.252	-17.5	-23.7	29.5	233.5	73.1	-61.3	-46.1	76.7	216.9	0.00 1.00 1.00
G75B	20.2	29.3	108.40	0.128	0.185	-7.6	-30.6	31.5	256.0	61.0	-33.4	-66.8	74.7	243.4	0.00 0.50 1.00
B00R=B	18.4	18.7	107.70	0.127	0.129	0.6	-34.9	34.9	271.0	50.4	3.3	-84.8	84.9	272.2	0.00 0.00 1.00
B25R	18.0	8.8	105.20	0.136	0.067	9.5	-38.2	39.4	284.0	35.7	64.2	-108.5	126.1	300.6	0.50 0.00 1.00
B50R	61.7	26.3	99.4	0.329	0.14	36.7	-28.3	46.3	322.3	58.3	112.5	-65.8	130.3	329.6	1.00 0.00 1.00
B75R	71.2	40.6	51.0	0.437	0.249	32.5	-2.6	32.6	355.2	69.9	83.6	-7.1	83.9	355.1	1.00 0.00 0.50

5 step equidistant grey scale with intended lightness: $L^* = 18.0, 38.5, 59.0, 79.5, 100.0$

N000W=N	2.3	2.5	2.7	0.312	0.329	0.0	0.0	0.0	79.8	18.0	0.0	0.0	0.0	0.0	0.00 0.00 0.00
N025W	9.8	10.3	11.2	0.312	0.329	0.0	0.0	0.0	69.4	38.5	0.0	0.0	0.0	0.0	0.25 0.25 0.25
N050W	25.6	27.0	29.4	0.312	0.329	0.0	0.0	0.0	43.7	59.0	0.0	0.0	0.0	0.0	0.50 0.50 0.50
N075W	53.0	55.8	60.7	0.312	0.329	0.0	0.0	0.0	17.2	79.5	0.0	0.0	0.0	0.0	0.75 0.75 0.75
N100W=W	95.0	100.0	108.80	0.312	0.329	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	1.00 1.00 1.00

AEP60-7N

TUB-test chart AEP6; Ostwald optimal and elementary colours (e)
CIE data and of the hue circle as table $Y_W=100$ & 88,6, $Y_N=0$ & 2,5

rgb*_e and CIE data of a elementary hue circle according to CIE R1-47 for Ostwald colours

XYZ, xy, YAB, and Lab* data for relative spacing of elementary hue h_{ab} of CIELAB, $Y_W=88,6$, $Y_N=0$

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

	X	Y	Z	x	y	A	B	C _{AB}	h _{AB}	L*	a*	b*	C* _{ab}	h _{ab}	rgb -> rgb* _e
R00Y=R	59.0	37.7	19.9	0.505	0.323	23.1	8.4	24.6	20.1	67.8	65.1	31.0	72.1	25.4	1.00 0.00 0.00
R25Y	57.1	38.1	7.6	0.554	0.37	20.8	13.5	24.8	32.9	68.1	59.3	62.3	86.1	46.4	1.00 0.25 0.00
R50Y	56.2	39.0	2.4	0.575	0.399	19.2	16.0	25.0	39.8	68.7	54.5	89.6	104.8	58.6	1.00 0.50 0.00
R75Y	64.5	55.8	2.6	0.524	0.453	11.5	23.2	25.9	63.6	79.5	27.8	106.9	110.5	75.4	1.00 0.75 0.00
Y00G=Y	68.3	74.3	3.5	0.467	0.508	-2.3	30.9	31.0	94.2	89.1	-4.9	117.1	117.2	92.4	1.00 1.00 0.00
Y25G	59.9	79.8	8.2	0.404	0.539	-16.0	31.5	35.3	116.9	91.6	-35.1	101.1	107.0	109.1	0.75 1.00 0.00
Y50G	40.9	71.4	9.3	0.336	0.587	-26.9	27.3	38.4	134.5	87.6	-69.4	90.5	114.1	127.4	0.50 1.00 0.00
Y75G	25.3	61.0	12.8	0.254	0.615	-32.7	21.4	39.1	146.7	82.4	-102.5	71.5	125.0	145.1	0.25 1.00 0.00
G00B=G	20.9	55.5	29.7	0.197	0.522	-31.8	12.2	34.1	158.9	79.3	-108.8	45.5	114.2	162.3	0.00 1.00 0.00
G25B	26.1	53.0	72.5	0.172	0.349	-24.2	-5.9	24.9	193.7	77.9	-79.6	-12.7	80.6	189.1	0.00 1.00 0.50
G50B	24.4	41.8	96.2	0.15	0.257	-15.3	-20.2	25.4	232.8	70.7	-56.1	-42.3	70.3	216.9	0.00 1.00 1.00
G75B	19.6	27.8	95.9	0.137	0.193	-6.7	-26.2	27.1	255.5	59.7	-30.5	-61.1	68.4	243.4	0.00 0.50 1.00
B00R=B	18.0	18.3	95.4	0.136	0.139	0.5	-30.1	30.1	271.0	49.9	3.0	-77.6	77.7	272.2	0.00 0.00 1.00
B25R	17.6	9.3	92.8	0.147	0.077	8.7	-33.0	34.2	284.8	36.6	58.4	-98.9	114.9	300.5	0.50 0.00 1.00
B50R	55.7	25.1	88.1	0.329	0.148	31.8	-24.2	40.0	322.6	57.2	102.8	-60.1	119.1	329.6	1.00 0.00 1.00
B75R	63.5	37.3	46.1	0.432	0.253	28.0	-2.1	28.1	355.5	67.5	77.2	-6.2	77.4	355.4	1.00 0.00 0.50

5 step equidistant grey scale with intended lightness: $L^* = 0.0, 23.8, 47.7, 71.5, 95.4$

N000W=N	0.0	0.0	0.0	0.311	0.327	0.0	0.0	0.0	71.0	0.0	0.0	0.0	0.0	0.0	0.00 0.00 0.00
N025W	3.8	4.0	4.4	0.312	0.329	0.0	0.0	0.0	345.0	23.8	0.0	0.0	0.0	0.0	0.25 0.25 0.25
N050W	15.7	16.5	18.0	0.312	0.329	0.0	0.0	0.0	331.2	47.7	0.0	0.0	0.0	0.0	0.50 0.50 0.50
N075W	40.8	43.0	46.8	0.312	0.329	0.0	0.0	0.0	329.4	71.5	0.0	0.0	0.0	0.0	0.75 0.75 0.75
N100W=W	84.2	88.6	96.4	0.312	0.329	0.0	0.0	0.0	328.7	95.4	0.0	0.0	0.0	0.0	1.00 1.00 1.00

AEP61-3N

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XYZ, xy, YAB, and Lab* data for relative spacing of elementary hue h_{ab} of CIELAB, $Y_W=88,6$, $Y_N=2.5$

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

	X	Y	Z	x	y	A	B	C _{AB}	h _{AB}	L*	a*	b*	C* _{ab}	h _{ab}	rgb
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