

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

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*
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
Y00=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	-113.0786	137.7	145.1	125.0	1.00 0.00 0.00
G00B=G	21.8	61.8	31.6	0.189	0.536	-36.9	14.2	39.5	158.8	82.8	-119.5379	125.4	162.3	100.0	1.00 0.00 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	108.7	0.142	0.252	-17.7	-23.7	23.5	333.7	61.3	-61.4	66.7	216.9	0.00 1.00 1.00	
G75B	20.2	29.3	108.4	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	107.7	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	8.9	105.2	0.136	0.067	9.5	-38.2	39.4	284.0	35.7	64.2	-108.5261	300.6	0.50 0.00 1.00	
B50R	61.7	26.3	99.4	0.329	0.14	36.7	-38.2	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: $L^* = 0.0, 25.0, 50.0, 75.0, 100.0$

N00W=W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	77.5	25.0	0.0	0.0	0.0	0.0	0.25 0.25 0.25
N050W	17.5	18.4	20.4	0.812	0.329	0.0	0.0	0.0	55.3	50.0	0.0	0.0	0.0	0.0	0.50 0.50 0.50
N075W	45.8	48.2	52.5	0.932	0.329	0.0	0.0	0.0	21.0	75.0	0.0	0.0	0.0	0.0	0.75 0.75 0.75
N100W=W	100.0	100.0	100.0	1.013	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

TE09-3N Lab*, page 1/2

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

XYZ, oh, YAB, and Lab* data for relative spacing of elementary hue h_{ab} of CIELAB

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*
R00Y=R	66.0	41.1	20.9	1.604	-0.202	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	1.54	-0.061	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	1.498	-0.01	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	1.21	-0.001	15.3	25.5	29.7	59.0	81.1	35.2	137.3	141.7	75.6	1.00 0.75 0.00
Y00=Y	76.8	83.9	1.3	0.915	-0.006	-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	0.735	-0.03	-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	0.549	-0.04	-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	0.389	-0.073	-38.0	24.5	45.2	147.1	85.9	-113.0786	137.7	145.1	125.0	1.00 0.00 0.00
G00B=G	21.8	61.8	31.6	0.353	-0.204	-36.9	14.2	39.5	158.8	82.8	-119.5379	125.4	162.3	100.0	1.00 0.00 0.00
G25B	27.8	58.9	81.5	0.473	-0.553	-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	108.7	0.564	-0.957	-17.6	-23.7	23.5	333.7	61.3	-61.4	66.7	216.9	0.00 1.00 1.00	
G75B	20.2	29.3	108.4	0.691	-1.478	-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	107.7	0.984	-2.297	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	8.9	105.2	0.031	-0.745	9.5	-38.2	39.4	284.0	35.7	64.2	-108.5261	300.6	0.50 0.00 1.00	
B50R	61.7	26.3	99.4	0.243	-1.509	36.7	-38.2	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	0.75	-0.501	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: $L^* = 0.0, 25.0, 50.0, 75.0, 100.0$

N00W=W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0 0.00 0.00 0.00
N025W	4.1	4.4	4.8	0.95	-0.435	0.0	0.0	0.0	77.5	25.0	0.0	0.0	0.0	0.0	0.25 0.25 0.25
N050W	17.5	18.4	20.4	0.95	-0.435	0.0	0.0	0.0	55.3	50.0	0.0	0.0	0.0	0.0	0.50 0.50 0.50
N075W	45.8	48.2	52.5	0.95	-0.435	0.0	0.0	0.0	21.0	75.0	0.0	0.0	0.0	0.0	0.75 0.75 0.75
N100W=W	100.0	100.0	100.0	0.95	-0.435	0.0	0.0	0.0	0.0	100.0	0.0	0.0	0.0	0.0	1.00 1.00 1.00

TE09-7N Lab*, page 2/2

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

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*
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
Y00=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	-113.0786	137.7	145.1	125.0	1.00 0.00 0.00
G00B=G	21.8	61.8	31.6	0.189	0.536	-36.9	14.2	39.5	158.8	82.8	-119.5379	125.4	162.3	100.0	1.00 0.00 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	108.7	0.142	0.252	-17.7	-23.7	23.5	333.7	61.3	-61.4	66.7	216.9	0.00 1.00 1.00	
G75B	20.2	29.3	108.4	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	107.7	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	8.9	105.2	0.136	0.067	9.5	-38.2	39.4	284.0	35.7	64.2	-108.5261	300.6	0.50 0.00 1.00	
B50R	61.7	26.3	99.4	0.329	0.14	36.7	-38.2	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: $L^* = 0.0, 25.0, 50.0, 75.0, 100.0$

N00W=W	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	77.5	25.0	0.0	0.0	0.0	0.0	0.25 0.25 0.25
N050W	17.5	18.4	20.4	0.812	0.329	0.0	0.0	0.0	55.3	50.0	0.0	0.0	0.0	0.0	0.50 0.50 0.50
N075W	45.8	48.2	52.5	0.932	0.329	0.0	0.0	0.0	21.0	75.0	0.0	0.0	0.0	0.0	0.75 0.75 0.75
N100W=W	100.0	100.0	100.0	1.013	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

TE09-3N YAB, page 1/2

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

XYZ, oh, YAB, and Lab* data for relative spacing of elementary hue h_{ab} of CIELAB

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*
R00Y=R	66.0	41.1	20.9	1.604	-0.202	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	1.54	-0.061	24.5	15.5	29.0	32.3	70.5	65.1	71.4	96.6	47.0	1.00 0.25 0.00
R50Y	62.6	41.7	1.0	1.498	-0.01	22.8	17.7	28.9	37.0	70.7	61.2	106.3	122.7	60.0	1.00 0.50 0.00
R75Y	71.6	58.1	0.1	1.21	-0.001	15.3	26.5	39.7	59.0	81.1	35.2	137.3	141.7	75.6	1.00 0.75 0.00
R100Y	76.1	68.8	0.0	1.00	0.00	10.2	36.1	94.9	94.9	90.0	31.1	142.9	147.0	81.1	1.00 1.00 0.00
Y00G	68.6	69.6	6.7	0.735	-0.0	19.2	41.0	41.8	75.8	98.4	94.0	113.6	122.0	109.1	0.75 1.00 0.00
Y50G	63.7	79.6	8.1	0.549	-0.0	-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	0.389	-0.073	-38.0	24.5	45.2	147.1	85.9	-113.0	87.6	137.7	145.1	0.25 1.00 0.00
G00B=G	21.8	61.8	31.6	0.35	-0.204	-36.1	42.5	39.5	158.8	82.8	-119.5	79.9	125.4	162.3	1.00 0.00 1.00
G25B	25.7	58.9	8.1	0.30	-0.153	-28.8	-63.9	29.0	239.9	81.2	-121.0	101.2	127.3	127.3	0.75 0.00 1.00
G50B	26.8	58.7	0.8	0.270	-0.054	-26.0	-63.9	29.0	233.5	81.2	-121.0	101.2	127.3	127.3	0.50 0.00 1.00
G75B	20.2	29.3	108.4	0.691	-1.478	-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	107.7	0.984	-2.297	0.6	-34.9	34.9	270.1	50.4	33	-84.8	84.9	272.2	0.00 0.00 1.00
B25R	18.0	8.8	105.2	0.913	-4.745	9.5	-38.2	39.4	284.0	35.7	64.2	-108.2	61.0	306.0	0.50 0.00 1.00
B50R	16.7	26.3	99.4	2.343	-1.509	36.7	-28.3	46.3	323.5	58.3	112.5	-65.8	130.3	329.6	1.00 0.00 1.00