http://farbe.li.tu-berlin.de/gek8/gek8l0n1.txt /.ps; only vector graphic VG; start output
see separate images of this page: http://farbe.li.tu-berlin.de/gek8/gek8.htm

see similar files of the whole serie: http://farbe.li.tu-berlin.de/geks.htm
technical information: http://farbe.li.tu-berlin.de or http://color.li.tu-berlin.de

TUB registration: 20240201-gek8/gek8l0n1.txt /.ps
application for evaluation and measurement of display or print output

TUB material: code=ha4ta

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 sliver measures: 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	57.9	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	108.7	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	108.4	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	8.8	105.2	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	0.0	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	20.0	0.312	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	0.312	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	95.0	100.0	108.8	0.312	0.329	0.0	0.0	0.0	**100.0**	0.0	0.0	0.0	0.0	0.0	**1.00 1.00 1.00**

gek80−3n, Lab*, page 1/2

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 sliver measures: 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	57.9	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	108.7	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	108.4	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	8.8	105.2	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	0.0	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	20.0	0.312	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	0.312	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	95.0	100.0	108.8	0.312	0.329	0.0	0.0	0.0	**100.0**	0.0	0.0	0.0	0.0	0.0	**1.00 1.00 1.00**

gek81−3n, YAB, page 1/2

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 sliver measures: 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	57.9	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	108.7	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	108.4	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	8.8	105.2	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	0.0	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	20.0	0.312	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	0.312	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	95.0	100.0	108.8	0.312	0.329	0.0	0.0	0.0	**100.0**	0.0	0.0	0.0	0.0	0.0	**1.00 1.00 1.00**

gek81−7n, YAB, page 1/2

TUB-test chart gek8; *Ostwald* colours with data *rgb*$_e$* of 4 elementary colours, and 12 intermediate colours. *TUB-YABCh, CIE-LabCh** data of 16 step elementary hue circle, and 5 grey steps