http://farbe.li.tu-berlin.de/heg0/heg0l0n1.txt /.ps; only vector graphic VG; start output
see separate images of this page: http://farbe.li.tu-berlin.de/heg0/heg0.htm

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

TUB registration: 20241001-heg0/heg0l0n1.txt /.ps
application for evaluation and measurement of display or print output

s: 0, 125, 250, 375, 500, 625, 750, 875, 1000
Black N00w − Black N16w = White W
$L^*_{TUBLOG,U}$=[50/log(5)] log(Y/Y_U)+50, Y_N=4, Y_U=20, Y_W=100

Three, 5 and 9 colour steps for visual evaluation

N00w N08w N16w | N00w N04w N08w N12w N16w | N00w N02w N04w N06w N08w N10w N12w N14w N16w

0 12? 25? 37? 50? 62? 75? 87? 100

Three, 5 and 9 colour steps, numeric specification

0,00 0,00	e08=0,. . a1=e08	1,00 1,00

0,00 0,00	e04=0,. . b1=e04*a1	1,00 0,00 b2=a1	e48=0,. . b3=e48* (1−b2)+b2	1,00 1,00

0,00 0,00	e02=0,. . c1=e02*b1	1,00 0,00 c2=b1	c24=0,. . c3=e24* (b2−b1)+b1	0,00 1,00 c4=b2	e46=0,. . c5=e46* (b3−b2)+b2	1,00 0,00 c6=b3	e68=0,. . c7=e68* (1−b3)+b3	1,00 1,00

Three, 5 and 9 colour steps, numeric calculation example

0,00 0,000 0,000	0,60 0,600 0,390	1,00 1,000 1,000

0,00 0,000 0,000	0,50 0,300 0,202	1,00 0,00 0,600 0,390	0,50 0,800 0,690	1,00 1,000 1,000

0,00 0,000 0,000	0,45 0,135 0,115	1,00 0,00 0,300 0,202	0,50 0,450 0,299	0,00 1,00 0,600 0,390	0,50 0,700 0,538	1,00 0,00 0,800 0,690	0,49 0,900 0,844	1,00 1,000 1,000

r: 0, 135, 300, 450, 600, 700, 800, 900, 1000
i: 0, 115, 202, 299, 390, 538, 690, 844, 1000

Three, 5 and 9 colour steps, produced visual linearization

Black N00w − Black N16w = White W
$L^*_{TUBLOG,U}$=[50/log(5)] log(Y/Y_U)+50, Y_N=4, Y_U=20, Y_W=100

N00w N08w N16w | N00w N04w N08w N12w N16w | N00w N02w N04w N06w N08w N10w N12w N14w N16w

s: 0, 125, 250, 375, 500, 625, 750, 875, 1000
Black N00w − Black N16w = White W
$L^*_{TUBLOG,U}$=[50/log(5)] log(Y/Y_U)+50, Y_N=4, Y_U=20, Y_W=100

Three, 5 and 9 colour steps for visual evaluation

N00w N08w N16w | N00w N04w N08w N12w N16w | N00w N02w N04w N06w N08w N10w N12w N14w N16w

0 12? 25? 37? 50? 62? 75? 87? 100

Three, 5 and 9 colour steps, numeric specification

0,00 0,00	e08=0,. . a1=e08	1,00 1,00

0,00 0,00	e04=0,. . b1=e04*a1	1,00 0,00 b2=a1	e48=0,. . b3=e48* (1−b2)+b2	1,00 1,00

0,00 0,00	e02=0,. . c1=e02*b1	1,00 0,00 c2=b1	c24=0,. . c3=e24* (b2−b1)+b1	0,00 1,00 c4=b2	e46=0,. . c5=e46* (b3−b2)+b2	1,00 0,00 c6=b3	e68=0,. . c7=e68* (1−b3)+b3	1,00 1,00

Three, 5 and 9 colour steps, numeric calculation example

0,00 0,000 0,000	0,60 0,600 0,390	1,00 1,000 1,000

0,00 0,000 0,000	0,45 0,270 0,230	1,00 0,00 0,600 0,390	0,55 0,820 0,658	1,00 1,000 1,000

0,00 0,000 0,000	0,40 0,108 0,143	1,00 0,00 0,270 0,230	0,49 0,435 0,314	0,00 1,00 0,600 0,390	0,50 0,710 0,524	1,00 0,00 0,820 0,658	0,60 0,928 0,787	1,00 1,000 1,000

r: 0, 108, 270, 435, 600, 710, 820, 928, 1000
i: 0, 143, 230, 314, 390, 524, 658, 787, 1000

Three, 5 and 9 colour steps, produced visual linearization

Black N00w − Black N16w = White W
$L^*_{TUBLOG,U}$=[50/log(5)] log(Y/Y_U)+50, Y_N=4, Y_U=20, Y_W=100

N00w N08w N16w | N00w N04w N08w N12w N16w | N00w N02w N04w N06w N08w N10w N12w N14w N16w

heg00-7n, Test samples: 3, 5 and 9 colour steps, greu=0,500, expu=1,000, expa=1,000, expi=1,000

TUB material: code=rha4ta

TUB-test chart heg0; adj & sep grey samples for visual intervall scaling, evaluation of the series
N_W with 3, 5 and 9 steps, output *(rgb*)*^{1,0} & experimental; surround mean Grey U=N08w