http://farbe.li.tu-berlin.de/heg5/heg5l0n1.txt /.ps; only vector graphic VG; start output

see separate images of this page: http://farbe.li.tu-berlin.de/heg5/heg5l0n1.txt /.ps

Three, 5 and 9 colour steps for visual evaluation

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

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	0,50 0,500 0,500	1,00 1,000 1,000	0,00 0,000 0,000	0,50 0,250 0,250	1,00 0,00 0,500 0,500	0,50 0,750 0,750	1,00 1,000 1,000	0,00 0,000 0,000	0,40 0,100 0,152	1,00 0,00 0,250 0,250	0,50 0,375 0,375	0,00 1,00 0,500 0,500	0,50 0,625 0,625	1,00 0,00 0,750 0,750	0,50 0,875 0,875	1,00 1,000 1,000

r: 0, 100, 250, 375, 500, 625, 750, 875, 1000
Three, 5 and 9 colour steps, produced visual linearization

i: 0, 152, 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

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

heg50-3n, Test samples: 3, 5 and 9 colour steps, greu=0,500, expu=1,000, expa=1,000, expi=1,000

s: 0, 125, 250, 375, 500, 625, 750, 875, 1000

Three, 5 and 9 colour steps for visual evaluation

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
								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	0,50 0,500 0,500	1,00 1,000 1,000	0,00 0,000 0,000	0,50 0,250 0,250	1,00 0,00 0,500 0,500	0,50 0,750 0,750	1,00 1,000 1,000	0,00 0,000 0,000	0,35 0,087 0,169	1,00 0,00 0,250 0,250	0,50 0,375 0,375	0,00 1,00 0,500 0,500	0,50 0,625 0,625	1,00 0,00 0,750 0,750	0,59 0,900 0,844	1,00 1,000 1,000

r: 0, 87, 250, 375, 500, 625, 750, 900, 1000
Three, 5 and 9 colour steps, produced visual linearization

i: 0, 169, 250, 375, 500, 625, 750, 844, 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

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

heg50-7n, Test samples: 3, 5 and 9 colour steps, greu=0,500, expu=1,000, expa=1,000, expi=1,000

TUB-test chart heg5; 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_2; surround mean Grey U=N08w

see similar files of the whole serie: http://farbe.li.tu-berlin.de/heg5.htm
technical information: http://farbe.li.tu-berlin.de or http://color.li.tu-berlin.de

TUB registration: 20241001-heg5/heg5l0n1.txt /.ps
application for evaluation and measurement of display or print output

TUB material: code=rha4ta