http://farbe.li.tu-berlin.de/hem1/hem1l0n1.txt /.ps; only vector graphic VG; start output
see separate images of this page: http://farbe.li.tu-berlin.de/hem1/hem1.htm

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

Three, 5 and 9 colour steps for visual evaluation

Magenta M00w − Magenta M16w = White W $L^*_{TUBLOG,U}=[50/\log(5)]\log(Y/Y_U)+50, Y_N=4, Y_U=20, Y_W=100$

0,000	0,500	1,000
M00w	M08w	M16w

0,000	0,250	0,500	0,750	1,000
M00w	M04w	M08w	M12w	M16w

0,000	0,125	0,250	0,375	0,500	0,625	0,750	0,875	1,000
M00w	M02w	M04w	M06w	M08w	M10w	M12w	M14w	M16w
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

Magenta M00w − Magenta M16w = White W $L^*_{TUBLOG,U}=[50/\log(5)]\log(Y/Y_U)+50, Y_N=4, Y_U=20, Y_W=100$

	M00w	M08w	M16w
s	0,000	0,500	1,000
r	0,000	0,600	1,000
i	0,000	0,390	1,000
f	0,000	0,500	1,000

	M00w	M04w	M08w	M12w	M16w
s	0,000	0,250	0,500	0,750	1,000
r	0,000	0,300	0,600	0,800	1,000
i	0,000	0,202	0,390	0,690	1,000
f	0,000	0,250	0,500	0,750	1,000

	M00w	M02w	M04w	M06w	M08w	M10w	M12w	M14w	M16w
s	0,000	0,125	0,250	0,375	0,500	0,625	0,750	0,875	1,000
r	0,000	0,135	0,300	0,450	0,600	0,700	0,800	0,900	1,000
i	0,000	0,115	0,202	0,299	0,390	0,538	0,690	0,844	1,000
f	0,000	0,125	0,250	0,375	0,500	0,625	0,750	0,875	1,000

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

Three, 5 and 9 colour steps for visual evaluation

Magenta M00w − Magenta M16w = White W $L^*_{TUBLOG,U}=[50/\log(5)]\log(Y/Y_U)+50, Y_N=4, Y_U=20, Y_W=100$

0,000	0,500	1,000
M00w	M08w	M16w

0,000	0,250	0,500	0,750	1,000
M00w	M04w	M08w	M12w	M16w

0,000	0,125	0,250	0,375	0,500	0,625	0,750	0,875	1,000
M00w	M02w	M04w	M06w	M08w	M10w	M12w	M14w	M16w
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

Magenta M00w − Magenta M16w = White W $L^*_{TUBLOG,U}=[50/\log(5)]\log(Y/Y_U)+50, Y_N=4, Y_U=20, Y_W=100$

	M00w	M08w	M16w
r	0,000	0,600	1,000
i	0,000	0,390	1,000

	M00w	M04w	M08w	M12w	M16w
r	0,000	0,270	0,600	0,820	1,000
i	0,000	0,230	0,390	0,658	1,000

	M00w	M02w	M04w	M06w	M08w	M10w	M12w	M14w	M16w
r	0,000	0,108	0,270	0,435	0,600	0,710	0,820	0,928	1,000
i	0,000	0,143	0,230	0,314	0,390	0,524	0,658	0,787	1,000

hem10-7n, Test samples: 3, 5 and 9 colour steps, greu=0,500, expu=1,000, expa=1,000, expi=1,000

TUB-test chart hem1; adj & sep grey samples for visual intervall scaling, evaluation of the series M_W with 3, 5 and 9 steps, output $(rgb*)^{1,0}$ & experimental; surround mean Grey U=N08w

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

TUB registration: 20241001-hem1/hem1l0n1.txt /.ps
application for evaluation and measurement of display or print output
TUB material: code=rha4ta