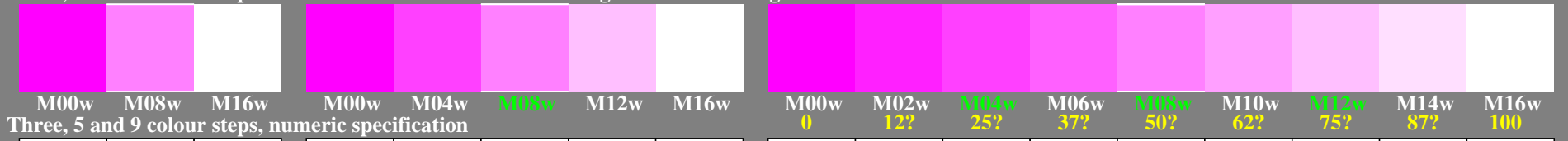


<http://farbe.li.tu-berlin.de/hem0/hem010na.txt> / .ps; only graphic VG; start output  
 see separate images of this page: <http://farbe.li.tu-berlin.de/hem0/hem0.htm>

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-hem0/hem010na.txt / .ps  
 application for evaluation and measurement of display or print output  
 TUB material: code=rh4ta

s: 0, 125, 250, 375, 500, 625, 750, 875, 1000  $L^*_{TUBLOG,U}=[50/\log(5)] \log(Y/Y_U)+50, Y_N=4, Y_U=20, Y_W=100$   
 Magenta M00w – Magenta M16w = White W



Three, 5 and 9 colour steps, numeric specification

M00w	M08w	M16w	M00w	M04w	M08w	M12w	M16w	M00w	M02w	M04w	M06w	M08w	M10w	M12w	M14w	M16w
0,00	e08=0, ..	1,00	0,00	e04=0, ..	1,00	e48=0, ..	1,00	0,00	e02=0, ..	1,00	c24=0, ..	0,00	e46=0, ..	1,00	e68=0, ..	1,00
0,00	a1=e08	1,00	0,00	b1=e04*a1	b2=a1	b3=e48*(1-b2)+b2	1,00	0,00	c1=e02*b1	c2=b1	c3=e24*(b2-b1)+b1	c4=b2	c5=e46*(b3-b2)+b2	c6=b3	c7=e68*(1-b3)+b3	1,00

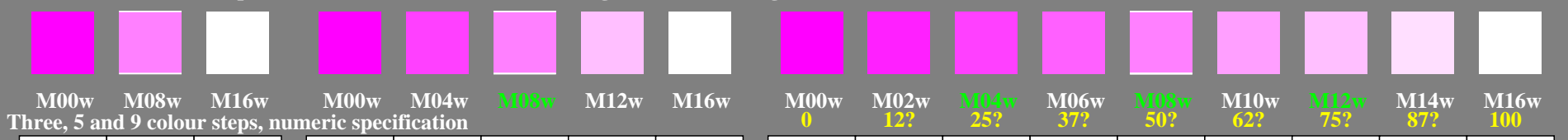
Three, 5 and 9 colour steps, numeric calculation example

0,00	0,60	1,00	0,00	0,50	1,00	0,50	1,00	0,00	0,45	1,00	0,50	1,00	0,50	1,00	0,49	1,00
0,000	0,600	1,000	0,000	0,300	0,600	0,800	1,000	0,000	0,135	0,300	0,450	0,600	0,700	0,800	0,900	1,000
0,000	0,390	1,000	0,000	0,202	0,390	0,690	1,000	0,000	0,115	0,202	0,299	0,390	0,538	0,690	0,844	1,000

r: 0, 135, 300, 450, 600, 700, 800, 900, 1000  $i: 0, 115, 202, 299, 390, 538, 690, 844, 1000$   $L^*_{TUBLOG,U}=[50/\log(5)] \log(Y/Y_U)+50, Y_N=4, Y_U=20, Y_W=100$   
 Three, 5 and 9 colour steps, produced visual linearization Magenta M00w – Magenta M16w = White W



s: 0, 125, 250, 375, 500, 625, 750, 875, 1000  $L^*_{TUBLOG,U}=[50/\log(5)] \log(Y/Y_U)+50, Y_N=4, Y_U=20, Y_W=100$   
 Magenta M00w – Magenta M16w = White W



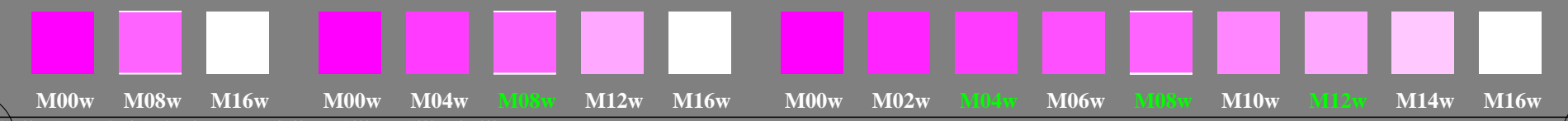
Three, 5 and 9 colour steps, numeric specification

M00w	M08w	M16w	M00w	M04w	M08w	M12w	M16w	M00w	M02w	M04w	M06w	M08w	M10w	M12w	M14w	M16w
0,00	e08=0, ..	1,00	0,00	e04=0, ..	1,00	e48=0, ..	1,00	0,00	e02=0, ..	1,00	c24=0, ..	0,00	e46=0, ..	1,00	e68=0, ..	1,00
0,00	a1=e08	1,00	0,00	b1=e04*a1	b2=a1	b3=e48*(1-b2)+b2	1,00	0,00	c1=e02*b1	c2=b1	c3=e24*(b2-b1)+b1	c4=b2	c5=e46*(b3-b2)+b2	c6=b3	c7=e68*(1-b3)+b3	1,00

Three, 5 and 9 colour steps, numeric calculation example

0,00	0,60	1,00	0,00	0,45	1,00	0,55	1,00	0,00	0,40	1,00	0,49	1,00	0,50	1,00	0,60	1,00
0,000	0,600	1,000	0,000	0,270	0,600	0,820	1,000	0,000	0,108	0,270	0,435	0,600	0,710	0,820	0,928	1,000
0,000	0,390	1,000	0,000	0,230	0,390	0,658	1,000	0,000	0,143	0,230	0,314	0,390	0,524	0,658	0,787	1,000

r: 0, 108, 270, 435, 600, 710, 820, 928, 1000  $i: 0, 143, 230, 314, 390, 524, 658, 787, 1000$   $L^*_{TUBLOG,U}=[50/\log(5)] \log(Y/Y_U)+50, Y_N=4, Y_U=20, Y_W=100$   
 Three, 5 and 9 colour steps, produced visual linearization Magenta M00w – Magenta M16w = White W



TUB-test chart hem0; 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  $U=N08w$

