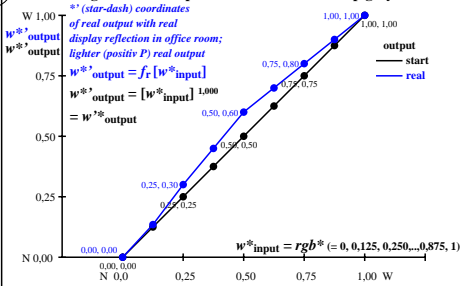
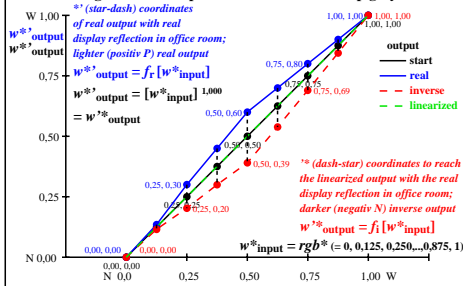


Colour management for output linearization of a 9 step grey scale



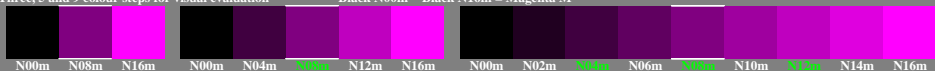
Colour management for output linearization of a 9 step grey scale



hej30-3n

hej31-3n

Three, 5 and 9 colour steps for visual evaluation s: 0, 125, 250, 375, 500, 625, 750, 875, 1000
 Black N00m – Black N16m = Magenta M $L^*_{TUBLOG,U}=[50/\log(5)] \log(Y/Y_U)+50, Y_N=4, Y_U=20, Y_W=100$



Three, 5 and 9 colour steps, numeric specification

0,00	e08=0, .. 1,00	0,00	e04=0, .. 1,00	0,00	e48=0, .. 1,00	0,00	e02=0, .. 1,00	0,00	e24=0, .. 1,00	0,00	e46=0, .. 1,00	0,00	e68=0, .. 1,00
0,00	a1=e08	1,00	b1=e04*a1	0,00	b3=e48* (1-b2)+b2	0,00	c1=e02*b1	0,00	c3=e24* (b2-b1)+b1	0,00	c5=e46* (b3-b2)+b2	0,00	c7=e68* (1-b3)+b3
0,00	0,00	1,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	

Three, 5 and 9 colour steps, numeric calculation example

0,00	0,60	1,00	0,00	0,50	1,00	0,00	0,45	1,00	0,00	0,50	1,00	0,00	0,49	1,00
0,000	0,600	1,000	0,000	0,300	0,600	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	0,000	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
 Black N00m – Black N16m = Magenta M $L^*_{TUBLOG,U}=[50/\log(5)] \log(Y/Y_U)+50, Y_N=4, Y_U=20, Y_W=100$

Three, 5 and 9 colour steps, produced visual linearization



TUB-test chart hej3; adjacent grey samples for visual interval scaling, evaluation of the series N_M with 3, 5 and 9 steps, output (rgb*)^{1,0} & experimental; surround mean Grey U=N08w

see similar files of the whole series: <http://farbe.li.tu-berlin.de/hej3s.htm>
 technical information: <http://farbe.li.tu-berlin.de> or <http://color.li.tu-berlin.de>

TUB registration: 20241001-hej3/hej310m1.txt / .ps
 application for evaluation and measurement of display or print output
 TUB material: code=thata