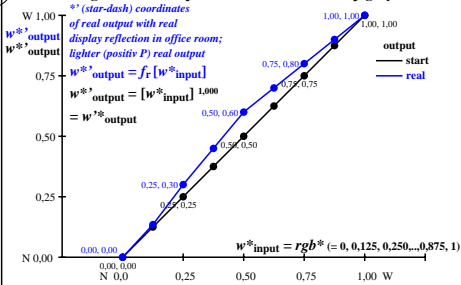
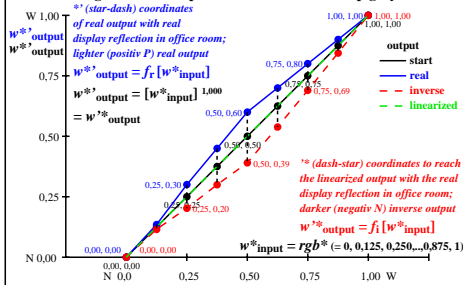


Colour management for output linearization of a 9 step grey scale



Colour management for output linearization of a 9 step grey scale



Three, 5 and 9 colour steps for visual evaluation 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

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	0,50	1,00	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	0,900	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	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



see similar files of the whole serie: <http://farbe.li.tu-berlin.de/hem3.htm>
 technical information: <http://farbe.li.tu-berlin.de> or <http://color.li.tu-berlin.de>

TUB registration: 20241001-hem3/hem310n1.txt /ps
 application for evaluation and measurement of display or print output
 TUB material: code=thata