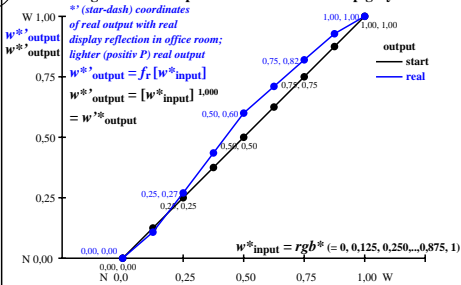
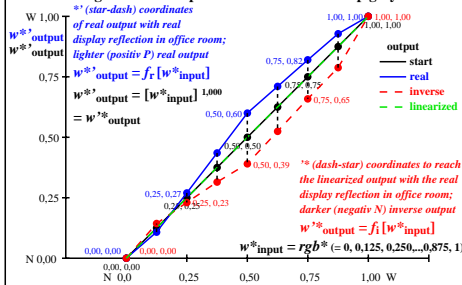


Colour management for output linearization of a 9 step grey scale



Colour management for output linearization of a 9 step grey scale



hej40-3n

hej41-3n

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	e46=0, .. 1,00	0,00	e68=0, .. 1,00
0,00	a1=e08	1,00	b1=e04*a1	0,00	b3=e48*	0,00	c1=e02*b1	0,00	c5=e46*	0,00	c7=e68*
		1,00	b2=a1	0,00	(1-b2)+b2	0,00	c2=b1	0,00	(b3-b2)+b2	0,00	(1-b3)+b3
		1,00		0,00		0,00	c3=e24*	0,00	c4=b2	0,00	c6=b3
		1,00		0,00		0,00	(b2-b1)+b1	0,00	c4=b2	0,00	c6=b3

Three, 5 and 9 colour steps, numeric calculation example

0,00	0,60	1,00	0,00	0,45	1,00	0,00	0,40	1,00	0,00	0,50	1,00	0,00	0,60	1,00
0,000	0,600	1,000	0,000	0,270	0,600	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	0,000	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

Three, 5 and 9 colour steps, produced visual linearization



Black N00m – Black N16m = Magenta M $L^*_{TUBLOG,U}=[50/\log(5)] \log(Y/Y_U)+50, Y_N=4, Y_U=20, Y_W=100$

see similar files of the whole serie: <http://farbe.li.tu-berlin.de/hej3.htm>
 technical information: <http://farbe.li.tu-berlin.de> or <http://color.li.tu-berlin.de>

TUB registration: 20241001-hej4-hej410m1.txt / .ps
 application for evaluation and measurement of display or print output
 TUB material: code=thata