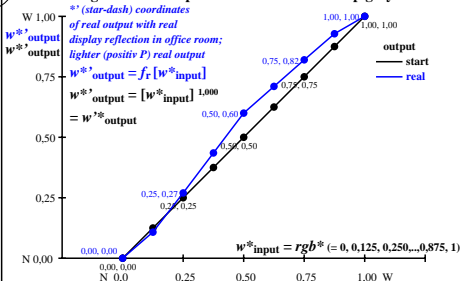
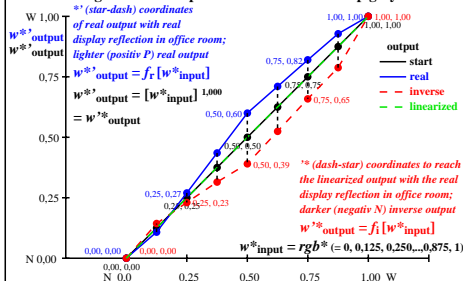


Colour management for output linearization of a 9 step grey scale



Colour management for output linearization of a 9 step grey scale



hek90-3n

hek91-3n

Three, 5 and 9 colour steps for visual evaluation s: 0, 125, 250, 375, 500, 625, 750, 875, 1000
 Green G00w – Green G16w = White W $L^*_{TUBLOG,U}=[50/\log(5)] \log(Y/Y_U)+50, Y_N=4, Y_U=20, Y_W=100$



G00w G08w G16w G00w G04w G08w G12w G16w G00w G02w G04w G06w G08w G10w G12w G14w G16w

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		c2=b1	0,00	(b3-b2)+b2	0,00	(1-b3)+b3
		1,00		0,00			c4=b2	0,00		0,00	
		1,00		0,00			c3=e24*	0,00		0,00	
		1,00		0,00			(b2-b1)+b1	0,00		0,00	
		1,00		0,00				0,00		0,00	
		1,00		0,00				0,00		0,00	
		1,00		0,00				0,00		0,00	
		1,00		0,00				0,00		0,00	
		1,00		0,00				0,00		0,00	

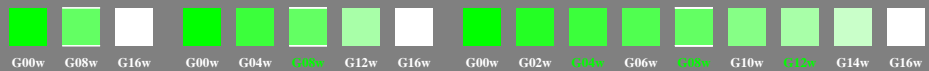
Three, 5 and 9 colour steps, numeric calculation example

0,00	0,60	1,00	0,00	0,45	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



G00w G08w G16w G00w G04w G08w G12w G16w G00w G02w G04w G06w G08w G10w G12w G14w G16w

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

TUB registration: 20241001-hek9/hek9IOn1.txt /ps
 application for evaluation and measurement of display or print output
 TUB material: code=thata4