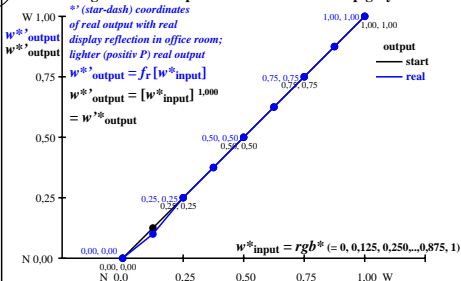
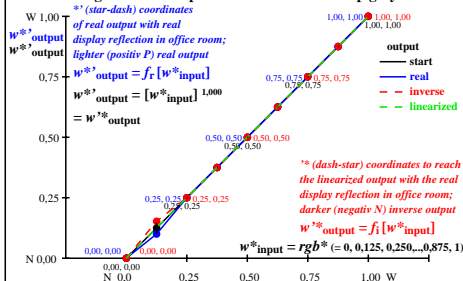


Colour management for output linearization of a 9 step grey scale



Colour management for output linearization of a 9 step grey scale



heg80-3n

heg81-3n

Three, 5 and 9 colour steps for visual evaluation s: 0, 125, 250, 375, 500, 625, 750, 875, 1000 $L^*_{TUBLOG,U}=[50/\log(5)] \log(Y/Y_U)+50, Y_N=4, Y_U=20, Y_W=100$
 Black N00w – Black N16w = 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	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	0,00		0,00		0,00	1,00
		1,00		0,00	0,00	0,00		0,00		0,00	1,00

Three, 5 and 9 colour steps, numeric calculation example

0,00	0,50	1,00	0,00	0,50	1,00	0,00	0,40	1,00	0,00	0,50	1,00	0,00	0,50	1,00	0,00	0,50	1,00	
0,000	0,500	1,000	0,000	0,250	0,500	0,000	0,100	0,250	0,000	0,500	0,000	0,152	0,250	0,375	0,000	0,750	0,875	1,000
0,000	0,500	1,000	0,000	0,250	0,500	0,000	0,152	0,250	0,000	0,500	0,000	0,250	0,375	0,500	0,000	0,750	0,875	1,000

r: 0, 100, 250, 375, 500, 625, 750, 875, 1000 i: 0, 152, 250, 375, 500, 625, 750, 875, 1000

Three, 5 and 9 colour steps, produced visual linearization $L^*_{TUBLOG,U}=[50/\log(5)] \log(Y/Y_U)+50, Y_N=4, Y_U=20, Y_W=100$
 Black N00w – Black N16w = White W



heg7n-7n: Test samples: 3, 5 and 9 colour steps, grey=0,500, exp=1,000, exp=1,000, exp=1,000

TUB-test chart heg8; adjacent grey samples for visual interval scaling, evaluation of the series N_W with 3, 5 and 9 steps, output (rgb^{*})^{1,0} & experimental_2; surround mean Grey U=N08w

see similar files of the whole series: <http://farbe.li.tu-berlin.de/heg8.htm>
 technical information: <http://farbe.li.tu-berlin.de> or <http://color.li.tu-berlin.de>

TUB registration: 20241001-heg8/heg8l0n1.txt /ps
 application for evaluation and measurement of display or print output
 TUB material: code=thata