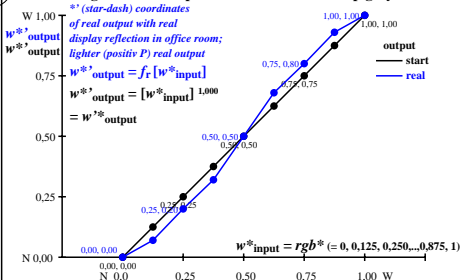
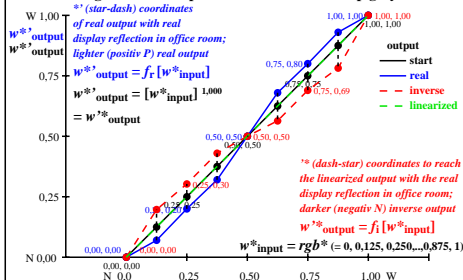


### Colour management for output linearization of a 9 step grey scale



### Colour management for output linearization of a 9 step grey scale



heg90-3n

heg91-3n

### 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	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*	0,00	c1=e02*b1	0,00	c3=e24*	0,00	c5=e46*	0,00	c7=e68*
		1,00	b2=a1	0,00	(1-b2)+b2	0,00	c2=b1	0,00	(b2-b1)+b1	0,00	(b3-b2)+b2	0,00	(1-b3)+b3

### Three, 5 and 9 colour steps, numeric calculation example

0,00	0,50	1,00	0,00	0,40	1,00	0,00	0,35	1,00	0,00	0,60	1,00	0,00	0,65	1,00
0,000	0,500	1,000	0,000	0,200	0,500	0,000	0,070	0,200	0,320	0,500	0,680	0,800	0,930	1,000
0,000	0,500	1,000	0,000	0,302	0,500	0,000	0,196	0,302	0,429	0,500	0,563	0,690	0,782	1,000

r: 0, 70, 200, 320, 500, 680, 800, 930, 1000  
 i: 0, 196, 302, 429, 500, 563, 690, 782, 1000

### Three, 5 and 9 colour steps, produced visual linearization

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



heg90-7n Test samples: 1-5 and 9 colour steps, green=0,500, cyan=1,000, magenta=1,000, yellow=1,000

TUB-test chart heg9; separate 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/heg.htm>  
 technical information: <http://farbe.li.tu-berlin.de> or <http://color.li.tu-berlin.de>

TUB registration: 20241001-heg9/heg910n1.txt / .ps  
 application for evaluation and measurement of display or print output  
 TUB material: code=thadta