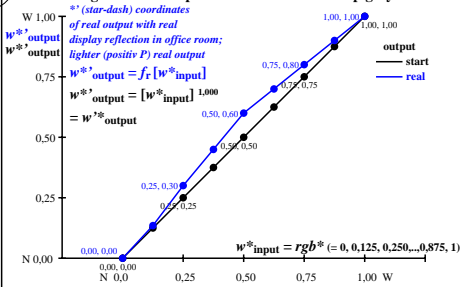
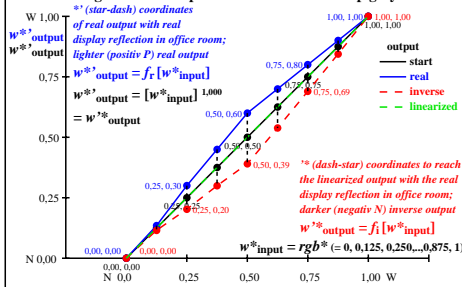


Colour management for output linearization of a 9 step grey scale



Colour management for output linearization of a 9 step grey scale



hei70-3n

hei71-3n

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 N00c – Black N16c = Cyan C

0,000	0,500	1,000	0,000	0,250	0,500	0,750	1,000	0,000	0,125	0,250	0,375	0,500	0,625	0,750	0,875	1,000
N00c	N08c	N16c	N00c	N04c	N08c	N12c	N16c	N00c	N02c	N04c	N06c	N08c	N10c	N12c	N14c	N16c
0	12	25	37	50	62	75	87	100	125	150	175	200	225	250	275	300

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

Three, 5 and 9 colour steps, numeric calculation example

0,00	0,60	1,00	0,00	0,50	1,00	0,00	0,50	1,00	0,00	0,45	1,00	0,00	0,50	1,00	0,00	0,50	1,00	0,00	0,49	1,00
0,000	0,600	1,000	0,000	0,300	0,600	0,000	0,800	1,000	0,000	0,135	0,300	0,000	0,600	0,700	0,000	0,800	0,900	0,000	0,900	1,000
0,000	0,390	1,000	0,000	0,202	0,390	0,000	0,690	1,000	0,000	0,115	0,202	0,000	0,390	0,538	0,000	0,690	0,844	0,000	0,844	1,000

r: 0, 135, 300, 450, 600, 700, 800, 900, 1000 $L^*_{TUBLOG,U}=[50/\log(5)] \log(Y/Y_U)+50, Y_N=4, Y_U=20, Y_W=100$
 i: 0, 115, 202, 299, 390, 538, 690, 844, 1000
 Black N00c – Black N16c = Cyan C

0,000	0,500	1,000	0,000	0,250	0,500	0,750	1,000	0,000	0,125	0,250	0,375	0,500	0,625	0,750	0,875	1,000
0,000	0,600	1,000	0,000	0,300	0,600	0,800	1,000	0,000	0,135	0,300	0,450	0,600	0,700	0,800	0,900	1,000
0,000	0,390	1,000	0,000	0,202	0,390	0,690	1,000	0,000	0,115	0,202	0,299	0,390	0,538	0,690	0,844	1,000
0,000	0,500	1,000	0,000	0,250	0,500	0,750	1,000	0,000	0,125	0,250	0,375	0,500	0,625	0,750	0,875	1,000
N00c	N08c	N16c	N00c	N04c	N08c	N12c	N16c	N00c	N02c	N04c	N06c	N08c	N10c	N12c	N14c	N16c

Test samples: 3, 5 and 9 colour steps, $g_{iso}=0,500, \text{exp}=1,000, \text{exp}=1,000, \text{exp}=1,000$

see similar files of the whole serie: <http://farbe.li.tu-berlin.de/hei5.htm>
 technical information: <http://farbe.li.tu-berlin.de> or <http://color.li.tu-berlin.de>

TUB registration: 20241001-hei7/hei710n1.txt/.ps
 application for evaluation and measurement of display or print output
 TUB material: code=thatta