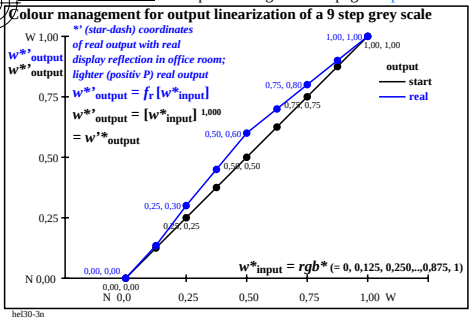
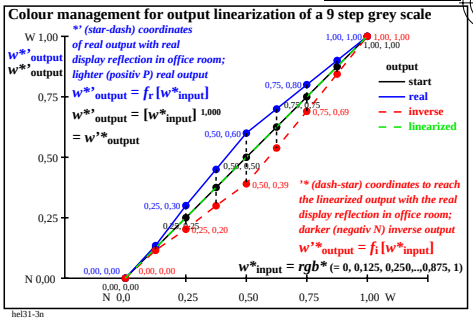
http://farbe.li.tu-berlin.de/hel3/hel3l0n1.txt /.ps; only vector graphic VG; start output
see separate images of this page: http://farbe.li.tu-berlin.de/hel3/hel3.htm





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

TUB registration: 20241001-hel3/hel30n1.txt /.ps
application for evaluation and measurement of display or print output

TUB material: code=rha4a

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
Blue B00w ~ Blue B16w = White W

B00w	B08w	B16w	B00w	B04w	B08w	B12w	B16w	B00w	B02w	B04w	B06w	B08w	B10w	B12w	B14w	B16w
								0	12?	25?	37?	50?	62?	75?	87?	100

Three, 5 and 9 colour steps, numeric specification

0,00	e08=0, . .	1,00	0,00	e04=0, . .	1,00	e48=0, . .	1,00	0,00	e02=0, . .	1,00	c24=0, . .	0,00	e46=0, . .	1,00	e68=0, . .	1,00
0,00	a1=e08	1,00	0,00	b1=e04*a1	b2=a1	b3=e48* (1−b2)+b2	1,00	0,00	c1=e02*b1	c2=b1	c3=e24* (b2−b1)+b1	c4=b2	c5=e46* (b3−b2)+b2	c6=b3	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	0,49	1,00
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

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

Three, 5 and 9 colour steps, produced visual linearization

Blue B00w ~ Blue B16w = White W

B00w	B08w	B16w	B00w	B04w	B08w	B12w	B16w	B00w	B02w	B04w	B06w	B08w	B10w	B12w	B14w	B16w

rha30n, 3+5+9 samples: 3, 5, 9 and 9 colour steps, xmax=0,500, ymax=1,000, ymax=1,000, ymax=1,000

TUB-test chart hel3; adjacent grey samples for visual intervall scaling, evaluation of the series B_W with 3, 5 and 9 steps, output *(rgb*)*^{1,0} & experimental; surround mean Grey U=N08w