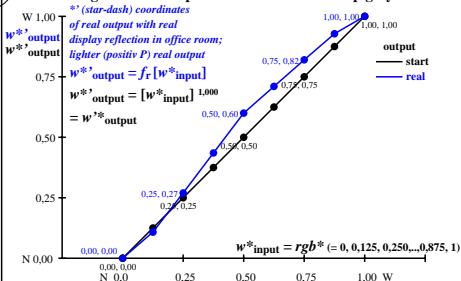
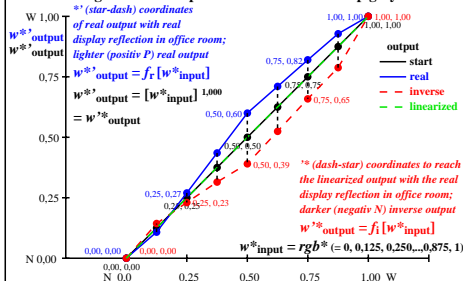


Colour management for output linearization of a 9 step grey scale



Colour management for output linearization of a 9 step grey scale



Three, 5 and 9 colour steps for visual evaluation

s: 0, 125, 250, 375, 500, 625, 750, 875, 1000 $L^*_{TUBLOG,U}=[50/\log(5)] \log(Y/Y_U)+50, Y_N=4, Y_U=20, Y_W=100$
Gelb Y00w – Gelb Y16w = White W



Y00w Y08w Y16w Y00w Y04w Y08w Y12w Y16w Y00w Y02w Y04w Y06w Y08w Y10w Y12w Y14w Y16w

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

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

Gelb Y00w – Gelb Y16w = White W $L^*_{TUBLOG,U}=[50/\log(5)] \log(Y/Y_U)+50, Y_N=4, Y_U=20, Y_W=100$



Y00w Y08w Y16w Y00w Y04w Y08w Y12w Y16w Y00w Y02w Y04w Y06w Y08w Y10w Y12w Y14w Y16w

see similar files of the whole serie: <http://farbe.li.tu-berlin.de/hem9.htm>
technical information: <http://farbe.li.tu-berlin.de> or <http://color.li.tu-berlin.de>

TUB registration: 20241001-hem9/hem9I0n1.txt /ps
application for evaluation and measurement of display or print output
TUB material: code=thadta