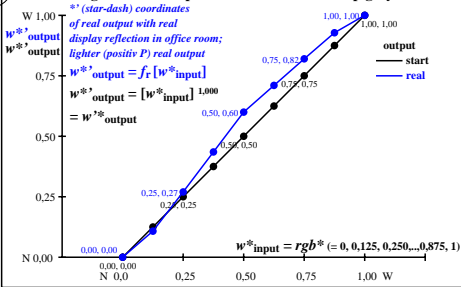
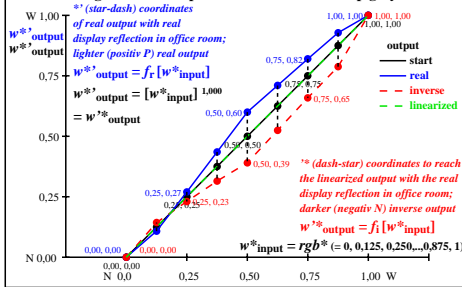


Colour management for output linearization of a 9 step grey scale



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 $L^*_{TUBLOG,U}=[50/\log(5)] \log(Y/Y_U)+50, Y_N=4, Y_U=20, Y_W=100$
 Black N00y – Black N16y = Yellow Y



Three, 5 and 9 colour steps, numeric specification

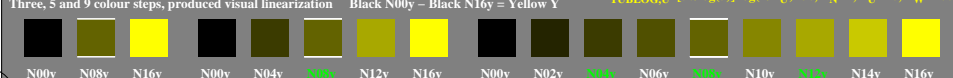
0,00 0,00	e08=0, .. a1=e08	1,00 1,00	0,00 0,00	e04=0, .. b1=e04*a1	1,00 0,00	0,00 0,00	b3=e48* (1-b2)+b2	1,00 1,00	0,00 0,00	e02=0, .. c1=e02*b1	1,00 0,00	0,00 0,00	c2=b1	0,00 0,00	c24=0, .. c3=e24* (b2-b1)+b1	1,00 0,00	0,00 0,00	c4=b2	0,00 0,00	e46=0, .. c5=e46* (b3-b2)+b2	1,00 0,00	0,00 0,00	c6=b3	0,00 0,00	e68=0, .. c7=e68* (1-b3)+b3	1,00 1,00
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Three, 5 and 9 colour steps, numeric calculation example

0,00 0,000 0,000	0,60 0,600 0,390	1,00 1,000 1,000	0,00 0,000 0,000	0,45 0,270 0,230	1,00 0,00 0,390	0,55 0,820 0,658	1,00 1,000 1,000	0,00 0,000 0,000	0,40 0,108 0,143	1,00 0,00 0,230	0,00 0,000 0,000	0,49 0,435 0,314	0,00 0,000 0,000	0,50 0,600 0,390	1,00 0,00 0,524	0,00 0,000 0,000	0,60 0,820 0,658	1,00 1,000 1,000
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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 $L^*_{TUBLOG,U}=[50/\log(5)] \log(Y/Y_U)+50, Y_N=4, Y_U=20, Y_W=100$
 Black N00y – Black N16y = Yellow Y



see similar files of the whole serie: <http://farbe.li.tu-berlin.de/hej9s.htm>
 technical information: <http://farbe.li.tu-berlin.de> or <http://color.li.tu-berlin.de>

TUB registration: 20241001-hej9/hej9I0nI.txt / .ps
 application for evaluation and measurement of display or print output
 TUB material: code=thata