

<http://farbe.li.tu-berlin.de/hek0/hek0l0n1.txt> / ps; only vector graphic VG; start output  
 see separate images of this page: <http://farbe.li.tu-berlin.de/hek0/hek0.htm>

s: 0, 125, 250, 375, 500, 625, 750, 875, 1000  $L^*_{TUBLOG,U}=[50/\log(5)] \log(Y/Y_U)+50$ ,  $Y_N=4$ ,  $Y_U=20$ ,  $Y_W=100$   
 Red R00w - Red R16w = White W

Three, 5 and 9 colour steps for visual evaluation



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	e48=0, .. 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	e24=0, .. c3=e24* (b2-b1)+b1	1,00 0,00	0,00 0,00	e46=0, .. c5=e46* (b3-b2)+b2	1,00 0,00	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	0,50 0,300 0,202	1,00 0,600 0,390	0,00 0,000 0,000	0,50 0,800 0,690	1,00 1,000 1,000	0,00 0,000 0,000	0,45 0,135 0,115	1,00 0,00 0,202	0,00 0,000 0,202	0,50 0,450 0,299	1,00 0,600 0,390	0,00 0,000 0,538	0,50 0,700 0,690	1,00 0,00 0,690	0,00 0,000 0,900	0,49 0,900 0,844	1,00 1,000 1,000
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r: 0, 135, 300, 450, 600, 700, 800, 900, 1000 i: 0, 115, 202, 299, 390, 538, 690, 844, 1000

Three, 5 and 9 colour steps, produced visual linearization



Three, 5 and 9 colour steps for visual evaluation



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	e48=0, .. 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	e24=0, .. c3=e24* (b2-b1)+b1	1,00 0,00	0,00 0,00	e46=0, .. c5=e46* (b3-b2)+b2	1,00 0,00	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 0,600 0,390	0,00 0,000 0,000	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 0,230	0,49 0,435 0,314	1,00 0,600 0,390	0,00 0,000 0,524	0,50 0,710 0,658	1,00 0,00 0,658	0,00 0,000 0,928	0,60 0,928 0,787	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



90-76: Test samples: 1, 5 and 9 colour steps, gamma=0,500, exp=1,000, exp=1,000, exp=1,000

TUB-test chart hek0; adj & sep grey samples for visual interval scaling, evaluation of the series  
 R\_W with 3, 5 and 9 steps, output (rgb\*)<sup>1,0</sup> & experimental; surround mean Grey U=N08w

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

TUB registration: 20241001-hek0/hek0l0n1.txt / ps  
 application for evaluation and measurement of display or print output  
 TUB material: code=thadta