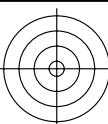




see similar files of the whole serie: http://farbe.li.tu-berlin.de or http://color.li.tu-berlin.de  
 technical information: http://farbe.li.tu-berlin.de



### Three, 5 and 9 colour steps for visual evaluation

$0, 353, 500, 612, 707, 790, 866, 935, 1000$   
 Black N00w – Black N16w = White W

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

N00w 0	N08w 50?	N16w 100	N00w 0	N04w 25?	N08w 50?	N12w 75?	N16w 100	N00w 0	N02w 12?	N04w 25?	N06w 37?	N08w 50?	N10w 62?	N12w 75?	N14w 87?	N16w 100
Three, 5 and 9 colour steps, numeric specification																
0,00 e08	0,.. e08	1,00	0,00 e04	0,.. e04	1,00 0,00	0,.. e48	1,00	0,00 e02	0,.. e02	1,00 0,00	0,.. e24	0,00 1,00	0,.. e46	1,00 0,00	0,.. e68	1,00
0,00 0,00 a1=e08	0,70 b1=e04*a1	1,00 1,00	0,00 0,00 b1=e04*a1	e04=0,70 b2=a1	1,00 0,00	e48=0,54 b3=e48*a1	1,00	0,00 0,00 c1=e02*b1	e02=0,70 c2=b1	1,00 0,00	c24=0,54 c3=e24*b1	0,00 1,00	e46=0,52 c4=a1	1,00 0,00	e68=0,51 c6=b3	1,00 1,00

### Three, 5 and 9 colour steps, numeric calculation

0,00 0,00 a1=e08	0,70 b1=e04*a1	1,00 1,00	0,00 0,00 b1=e04*a1	e04=0,70 b2=a1	1,00 0,00	e48=0,54 b3=e48*a1	1,00	0,00 0,00 c1=e02*b1	e02=0,70 c2=b1	1,00 0,00	c24=0,54 c3=e24*b1	0,00 1,00	e46=0,52 c4=a1	1,00 0,00	e68=0,51 c6=b3	1,00 1,00
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### Three, 5 and 9 colour steps, numeric calculation example

0,00 0,00 0,70 0,70	1,00 1,00	0,00 0,00 0,50 0,50	0,70 0,50	1,00 0,00 0,70 0,86	0,00 0,00 0,54 0,86	1,00 1,00	0,00 0,00 0,35	0,70 0,50	1,00 0,00 0,54 0,61	0,00 0,00 0,54 0,70	0,52 0,79	1,00 0,00 0,79 0,86	0,51 0,79	0,93 1,00	1,00 1,00
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### Three, 5 and 9 colour steps, produced visual linearization

$0, 124, 250, 375, 499, 625, 750, 875, 1000$   
 Black N00w – Black N16w = White W

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

N00w 0	N08w 50	N16w 100	N00w 0	N04w 25	N08w 50	N12w 75	N16w 100	N00w 0	N02w 12	N04w 25	N06w 37	N08w 50	N10w 62	N12w 75	N14w 87	N16w 100
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he90-7n, Test samples: 3, 5 and 9 colour steps, greu=0,500, expu=1,000, expa=0,500, expi=2,000

TUB-test chart hea9; Adjacent grey samples for visual intervall scaling, evaluation of the series  
 N-W with 3, 5 and 9 steps, output  $(rgb^*)^{0,5}$  &  $[(rgb^*)^{0,5}]^{2,0}$ ; surround mean Grey U=N08w

