

<http://farbe.li.tu-berlin.de/hei0/hei0l0n1.txt> / .ps; only vector graphic VG; start output
 see separate images of this page: <http://farbe.li.tu-berlin.de/hei0/hei0.htm>

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 N00b – Black N16b = Blue B



Three, 5 and 9 colour steps, numeric specification

| N00b | N08b | N16b | N00b | N04b | N08b | N12b | N16b | N00b | N02b | N04b | N06b | N08b | N10b | N12b | N14b | N16b |
|------|-----------|------|------|-----------|-------|----------------------|------|------|-----------|-------|-----------------------|-------|-----------------------|-------|----------------------|------|
| 0,00 | e08=0, .. | 1,00 | 0,00 | e04=0, .. | 1,00 | e48=0, .. | 1,00 | 0,00 | e02=0, .. | 1,00 | e24=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 |

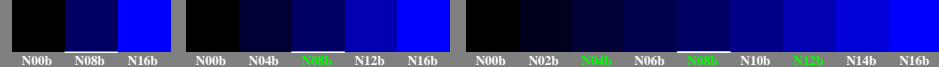
Three, 5 and 9 colour steps, numeric calculation example

| | | | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0,00 | 0,60 | 1,00 | 0,00 | 0,50 | 1,00 | 0,50 | 1,00 | 0,00 | 0,45 | 1,00 | 0,50 | 1,00 | 0,50 | 1,00 | 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 $L^*_{TUBLOG,U}=[50/\log(5)] \log(Y/Y_U)+50$, $Y_N=4$, $Y_U=20$, $Y_W=100$
 Black N00b – Black N16b = Blue B

Three, 5 and 9 colour steps, produced visual linearization



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 N00b – Black N16b = Blue B



Three, 5 and 9 colour steps, numeric specification

| N00b | N08b | N16b | N00b | N04b | N08b | N12b | N16b | N00b | N02b | N04b | N06b | N08b | N10b | N12b | N14b | N16b |
|------|-----------|------|------|-----------|-------|----------------------|------|------|-----------|-------|-----------------------|-------|-----------------------|-------|----------------------|------|
| 0,00 | e08=0, .. | 1,00 | 0,00 | e04=0, .. | 1,00 | e48=0, .. | 1,00 | 0,00 | e02=0, .. | 1,00 | e24=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 |

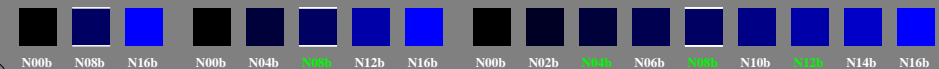
Three, 5 and 9 colour steps, numeric calculation example

| | | | | | | | | | | | | | | | | |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0,00 | 0,60 | 1,00 | 0,00 | 0,45 | 1,00 | 0,55 | 1,00 | 0,00 | 0,40 | 1,00 | 0,49 | 0,00 | 0,50 | 1,00 | 0,60 | 1,00 |
| 0,000 | 0,600 | 1,000 | 0,000 | 0,270 | 0,600 | 0,820 | 1,000 | 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 | 0,658 | 1,000 | 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 $L^*_{TUBLOG,U}=[50/\log(5)] \log(Y/Y_U)+50$, $Y_N=4$, $Y_U=20$, $Y_W=100$
 Black N00b – Black N16b = Blue B

Three, 5 and 9 colour steps, produced visual linearization



TUB-test chart hei0; adj & sep grey samples for visual interval scaling, evaluation of the series
 N_B with 3, 5 and 9 steps, output (rgb*)^{1,0} & experimental; surround mean Grey U=N08w

9076; Test samples: 3, 5 and 9 colour steps, gamma=0.500, expno=1.000, expin=1.000, expm=1.000

see similar files of the whole serie: <http://farbe.li.tu-berlin.de/hei0/hei0.htm>
 technical information: <http://farbe.li.tu-berlin.de/> or <http://color.li.tu-berlin.de>

TUB registration: 20241001-hei0/hei0l0n1.txt / .ps
 application for evaluation and measurement of display or print output

TUB material: code=thata