

<http://farbe.li.tu-berlin.de/hee1/hee1l0na.txt> / .ps; only vector graphic VG; start output  
 see separate images of this page: <http://farbe.li.tu-berlin.de/hee1/hee1.htm>

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

TUB registration: 20241001-hee1/hee1l0na.txt / .ps  
 application for evaluation and measurement of display or print output  
 TUB material: code=rh4ta

Three, 5 and 9 colour steps for visual evaluation  $L^*_{TUBLOG,U}=[50/\log(5)] \log(Y/Y_U)+50, Y_N=4, Y_U=20, Y_W=100$   
 Black N00w – Black N16w = White W

|       |           |       |       |           |       |                      |       |       |           |       |                       |       |                       |       |                      |       |
|-------|-----------|-------|-------|-----------|-------|----------------------|-------|-------|-----------|-------|-----------------------|-------|-----------------------|-------|----------------------|-------|
| 0,000 | 0,500     | 1,000 | 0,000 | 0,250     | 0,500 | 0,750                | 1,000 | 0,000 | 0,125     | 0,250 | 0,375                 | 0,500 | 0,625                 | 0,750 | 0,875                | 1,000 |
| N00w  | N08w      | N16w  | N00w  | N04w      | N08w  | N12w                 | N16w  | N00w  | N02w      | N04w  | N06w                  | N08w  | N10w                  | N12w  | N14w                 | N16w  |
| 0,00  | e08=0, .. | 1,00  | 0,00  | e04=0, .. | 1,00  | e48=0, ..            | 1,00  | 0,00  | e02=0, .. | 1,00  | c24=0, ..             | 1,00  | e46=0, ..             | 1,00  | e68=0, ..            | 1,00  |
| 0,00  | a1=e08    | 1,00  | 0,00  | b1=e04*a1 | b2=a1 | b3=e48*<br>(1-b2)+b2 | 1,00  | 0,00  | c1=e02*b1 | c2=b1 | c3=e24*<br>(b2-b1)+b1 | 1,00  | c5=e46*<br>(b3-b2)+b2 | c6=b3 | c7=e68*<br>(1-b3)+b3 | 1,00  |

Three, 5 and 9 colour steps, numeric specification

|       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0,00  | 0,50  | 1,00  | 0,00  | 0,50  | 1,00  | 0,50  | 1,00  | 0,00  | 0,50  | 1,00  | 0,50  | 1,00  | 0,50  | 1,00  | 0,50  | 1,00  |
| 0,000 | 0,500 | 1,000 | 0,000 | 0,250 | 0,500 | 0,750 | 1,000 | 0,000 | 0,125 | 0,250 | 0,375 | 0,500 | 0,625 | 0,750 | 0,875 | 1,000 |

Three, 5 and 9 colour steps, numeric calculation example

|       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0,00  | 0,50  | 1,00  | 0,00  | 0,50  | 1,00  | 0,50  | 1,00  | 0,00  | 0,50  | 1,00  | 0,50  | 1,00  | 0,50  | 1,00  | 0,50  | 1,00  |
| 0,000 | 0,500 | 1,000 | 0,000 | 0,250 | 0,500 | 0,750 | 1,000 | 0,000 | 0,125 | 0,250 | 0,375 | 0,500 | 0,625 | 0,750 | 0,875 | 1,000 |

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 N00w – Black N16w = White W

|       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0,000 | 0,500 | 1,000 | 0,000 | 0,250 | 0,500 | 0,750 | 1,000 | 0,000 | 0,125 | 0,250 | 0,375 | 0,500 | 0,625 | 0,750 | 0,875 | 1,000 |
| N00w  | N08w  | N16w  | N00w  | N04w  | N08w  | N12w  | N16w  | N00w  | N02w  | N04w  | N06w  | N08w  | N10w  | N12w  | N14w  | N16w  |

hee10-7n, Test samples: 3, 5 and 9 colour steps, greu=0,500, expu=1,000, expa=1,000, expi=1,000

TUB-test chart hee1; Separate grey samples for visual intervall scaling, evaluation of the series  
 N–W with 3, 5 and 9 steps, output (rgb\*)<sup>1,0</sup> & experimental; surround mean Grey U=N08w