http://farbe.li.tu-berlin.de/hee3/hee3l0na.txt /.ps; only vector graphic VG; start output
see separate images of this page: http://farbe.li.tu-berlin.de/hee3/hee3.htm

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

TUB registration: 20241001-hee3/hee3l0na.txt /.ps
application for evaluation and measurement of display or print output

TUB material: code=rha4ta

| | | | | |
|---|---|---|---|---|
| 0 | 0000 | | | |
| 353 | | 353 | | 0000, expi=2,00 |
| 500 | | 500 | | 124 |
| 612 | | 112 | | 250 |
| 707 | 707 | | | 125 |
| 790 | | 83 | | 499 |
| 866 | | 158 | | 125 |
| 935 | | 69 | | 250 |
| 1000 | 1000 | | | 125 |
| | | | | 1000 |

TEST

**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 | N08w | N16w | N00w | N04w | N08w | N12w | N16w | N00w | N02w | N04w | N06w | N08w | N10w | N12w | N14w | N16w |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 50? | 100 | 0 | 25? | 50? | 75? | 100 | 0 | 12? | 25? | 37? | 50? | 62? | 75? | 87? | 100 |

**Three, 5 and 9 colour steps, numeric specification**

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0,00 | 0, . . e08 | 1,00 | 0,00 | 0, . . e04 | 1,00 0,00 | 0, . . e48 | 1,00 | 0,00 | 0, . . e02 | 1,00 0,00 | 0, . . e24 | 0,00 1,00 | 0, . . e46 | 1,00 0,00 | 0, . . e68 | 1,00 |

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

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0,00 0,00 | e08=707 a1=e08 | 1,00 1,00 | 0,00 0,00 | e04=707 b1=e04*a1 | 1,00 0,00 b2=a1 | e48=542 b3=e48*(1−b2)+b2 | 1,00 1,00 | 0,00 0,00 | e02=707 c1=e02*b1 | 1,00 0,00 c2=b1 | c24=542 c3=e24*(b2−b1)+b1 | 0,00 1,00 c4=b2 | e46=525 c5=e46*(b3−b2)+b2 | 1,00 0,00 c6=b3 | e68=517 c7=e68*(1−b3)+b3 | 1,00 1,00 |

**Three, 5 and 9 colour steps, numeric calculation example**

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0,00 0,000 | 0,70 0,707 | 1,00 1,000 | 0,00 0,000 | 0,70 0,500 | 1,00 0,00 0,707 | 0,54 0,866 | 1,00 1,000 | 0,00 0,000 | 0,70 0,353 | 1,00 0,00 0,500 | 0,54 0,612 | 0,00 1,00 0,707 | 0,52 0,790 | 1,00 0,00 0,866 | 0,51 0,935 | 1,00 1,000 |

**Three, 5 and 9 colour steps, produced visual linearization**

0, 125, 250, 375, 500, 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 | N08w | N16w | N00w | N04w | N08w | N12w | N16w | N00w | N02w | N04w | N06w | N08w | N10w | N12w | N14w | N16w |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 0 | 50 | 100 | 0 | 25 | 50 | 75 | 100 | 0 | 12 | 25 | 37 | 50 | 62 | 75 | 87 | 100 |

hee30-7n, Test samples: 3, 5 and 9 colour steps, greu=0,500, expu=1,000, expa=0,500, expi=2,000

TUB-test chart hee3; Separate grey samples for visual intervall scaling, evaluation of the series N−W with 3, 5 and 9 steps, output $(rgb^*)^{1,0}$ & experimental; surround mean Grey U=N08w