



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

TUB registration: 20241001-hed7/hed7I0n1.txt / .ps
 application for evaluation and measurement of display or print output

0, 125, 250, 375, 500, 625, 750, 875, 1000
 Black N00w – Black N16w = White W

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

Three, 5 and 9 colour steps for visual evaluation

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

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 b2=a1	e48=0, .. b3=e48*a1 (1-b2)+b2	1,00 1,00	0,00 0,00	e02=0, .. c1=e02*b1	1,00 0,00 c2=b1	e24=0, .. c3=e24*b1 (b2-b1)+b1	0,00 0,00	e46=0, .. c4=b2	1,00 0,00 c5=e46* (b3-b2)+b2	0,00 0,00	e68=0, .. c6=b3	1,00 1,00 c7=e68* (1-b3)+b3
--------------	---------------------	--------------	--------------	------------------------	-----------------------	-------------------------------------	--------------	--------------	------------------------	-----------------------	--------------------------------------	--------------	--------------------	---------------------------------------	--------------	--------------------	--------------------------------------

Three, 5 and 9 colour steps, numeric calculation example

0,00 0,000	0,59 0,594	1,00 1,000	0,00 0,000	0,59 0,353	1,00 0,00 0,594	0,52 0,805	1,00 1,000	0,00 0,000	0,59 0,210	1,00 0,00 0,353	0,52 0,479	0,00 0,00 0,594	0,51 0,702	1,00 0,00 0,805	0,50 0,904	1,00 1,000
---------------	---------------	---------------	---------------	---------------	-----------------------	---------------	---------------	---------------	---------------	-----------------------	---------------	-----------------------	---------------	-----------------------	---------------	---------------

0, 350, 499, 612, 707, 790, 865, 935, 1000
 Black N00w – Black N16w = White W

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

Three, 5 and 9 colour steps, produced visual linearization

N00w	N08w	N16w	N00w	N04w	N08w	N12w	N16w	N00w	N02w	N04w	N06w	N08w	N10w	N12w	N14w	N16w
------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------	------

TUB-test chart hed7; Separate grey samples for visual intervall scaling, evaluation of the series N-W with 3, 5 and 9 steps, output (r g b*)^{0.75} & experimental; surround mean Grey U=N08w

TUB material: code=thata