



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-hed1/hed110n1.txt / .ps
 application for evaluation and measurement of display or print output

Three, 5 and 9 colour steps for visual evaluation
 Black N00w – Black N16w = White W

0,000	0,707	1,000	0,000	0,500	0,707	0,866	1,000	0,000	0,353	0,500	0,612	0,707	0,790	0,866	0,935	1,000
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$L^*_{TUBLOG,U}=[50\log(5)] \log(Y/Y_U)+50, Y_N=4, Y_U=20, Y_W=100$

Three, 5 and 9 colour steps, numeric specification

N00w	N08w	N16w	N00w	N04w	N08w	N12w	N16w	N00w	N02w	N04w	N06w	N08w	N10w	N12w	N14w	N16w
0	127	252*	377	507	627	752*	877	0	127	252*	377	507	627	752*	877	1000

Three, 5 and 9 colour steps, numeric calculation example

0,00	e08=0, ..	1,00	0,00	e04=0, ..	1,00	e48=0, ..	1,00	0,00	e02=0, ..	1,00	e24=0, ..	1,00	e46=0, ..	1,00	e68=0, ..	1,00				
0,00	a1=e08	1,00	0,00	b1=e04*a1	1,00	b3=e48* (1-b2)+b2	1,00	0,00	c1=e02*b1	1,00	c2=b1	1,00	c4=b2	1,00	c5=e46* (b3-b2)+b2	1,00	c6=b3	1,00	c7=e68* (1-b3)+b3	1,00

Three, 5 and 9 colour steps, produced visual linearization

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

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

Three, 5 and 9 colour steps, produced visual linearization

0,000	0,250	1,000	0,000	0,062	0,250	0,562	1,000	0,000	0,015	0,062	0,140	0,250	0,390	0,562	0,765	1,000
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N00w N08w N16w N00w N04w N08w N12w N16w N00w N02w N04w N06w N08w N10w N12w N14w N16w

hed10-3n
 hed11-3n
 hed10-7a: Test samples: 3, 5 and 9 colour steps, grey=0.500, exp=1.000, exp=0.500, exp=2.000

TUB material: code=thadta