



s: 0, 125, 250, 375, 500, 625, 750, 875, 1000  $L^*_{TUBLOG,U} = [50/\log(5)] \log(Y/Y_U) + 50, Y_N=4, Y_U=20, Y_W=100$   
 Red R00w – Red R16w = 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
R00w	R08w	R16w	R00w	R04w	R08w	R12w	R16w	R00w	R02w	R04w	R06w	R08w	R10w	R12w	R14w	R16w
Three, 5 and 9 colour steps, numeric specification																
0,00	e08=0, ..	1,00	0,00	e04=0, ..	1,00	e48=0, ..	1,00	0,00	e02=0, ..	1,00	c24=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	0,00	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
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
R00w	R08w	R16w	R00w	R04w	R08w	R12w	R16w	R00w	R02w	R04w	R06w	R08w	R10w	R12w	R14w	R16w
Three, 5 and 9 colour steps, produced visual linearization																
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
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
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
R00w	R08w	R16w	R00w	R04w	R08w	R12w	R16w	R00w	R02w	R04w	R06w	R08w	R10w	R12w	R14w	R16w

r: 0, 135, 300, 450, 600, 700, 800, 900, 1000 i: 0, 115, 202, 299, 390, 538, 690, 844, 1000  $L^*_{TUBLOG,U} = [50/\log(5)] \log(Y/Y_U) + 50, Y_N=4, Y_U=20, Y_W=100$

hek20-7n, Test samples: 3, 5 and 9 colour steps, greu=0.500, expu=1.000, expa=1.000, expi=1.000

TUB-test chart hek2; separate grey samples for visual intervall scaling, evaluation of the series R\_W with 3, 5 and 9 steps, output (rgb\*)<sup>1,0</sup> & experimental; surround mean Grey U=N08w

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

TUB registration: 20241001-hek2/hek210na.txt / .ps  
 application for evaluation and measurement of display or print output

TUB material: code=rh4ta