

<http://farbe.li.tu-berlin.de/hem6/hem610na.txt> / .ps; only vector graphic VG; start output  
 see separate images of this page: <http://farbe.li.tu-berlin.de/hem6/hem6.htm>

Three, 5 and 9 colour steps for visual evaluation  $L^*_{TUBLOG,U}=[50/\log(5)] \log(Y/Y_U)+50, Y_N=4, Y_U=20, Y_W=100$   
 s: 0, 125, 250, 375, 500, 625, 750, 875, 1000  
 Gelb Y00w – Gelb Y16w = 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
Y00w	Y08w	Y16w	Y00w	Y04w	Y08w	Y12w	Y16w	Y00w	Y02w	Y04w	Y06w	Y08w	Y10w	Y12w	Y14w	Y16w
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*(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 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, ..	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*(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	1,00	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

Three, 5 and 9 colour steps, produced visual linearization  $L^*_{TUBLOG,U}=[50/\log(5)] \log(Y/Y_U)+50, Y_N=4, Y_U=20, Y_W=100$   
 r: 0, 135, 300, 450, 600, 700, 800, 900, 1000  
 i: 0, 115, 202, 299, 390, 538, 690, 844, 1000  
 Gelb Y00w – Gelb Y16w = 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
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
Y00w	Y08w	Y16w	Y00w	Y04w	Y08w	Y12w	Y16w	Y00w	Y02w	Y04w	Y06w	Y08w	Y10w	Y12w	Y14w	Y16w

Three, 5 and 9 colour steps for visual evaluation  $L^*_{TUBLOG,U}=[50/\log(5)] \log(Y/Y_U)+50, Y_N=4, Y_U=20, Y_W=100$   
 s: 0, 125, 250, 375, 500, 625, 750, 875, 1000  
 Gelb Y00w – Gelb Y16w = 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
Y00w	Y08w	Y16w	Y00w	Y04w	Y08w	Y12w	Y16w	Y00w	Y02w	Y04w	Y06w	Y08w	Y10w	Y12w	Y14w	Y16w

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, ..	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*(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	0,45	1,00	0,55	1,00	0,00	0,40	1,00	0,49	1,00	0,50	1,00	0,60	1,00
0,000	0,600	1,000	0,000	0,270	0,600	0,820	1,000	0,000	0,108	0,270	0,435	0,600	0,710	0,820	0,928	1,000
0,000	0,390	1,000	0,000	0,230	0,390	0,658	1,000	0,000	0,143	0,230	0,314	0,390	0,524	0,658	0,787	1,000

Three, 5 and 9 colour steps, produced visual linearization  $L^*_{TUBLOG,U}=[50/\log(5)] \log(Y/Y_U)+50, Y_N=4, Y_U=20, Y_W=100$   
 r: 0, 108, 270, 435, 600, 710, 820, 928, 1000  
 i: 0, 143, 230, 314, 390, 524, 658, 787, 1000  
 Gelb Y00w – Gelb Y16w = White W

0,000	0,600	1,000	0,000	0,270	0,600	0,820	1,000	0,000	0,108	0,270	0,435	0,600	0,710	0,820	0,928	1,000
0,000	0,390	1,000	0,000	0,230	0,390	0,658	1,000	0,000	0,143	0,230	0,314	0,390	0,524	0,658	0,787	1,000
Y00w	Y08w	Y16w	Y00w	Y04w	Y08w	Y12w	Y16w	Y00w	Y02w	Y04w	Y06w	Y08w	Y10w	Y12w	Y14w	Y16w

hem6-7n, Test samples: 3, 5 and 9 colour steps, greu=0,500, expu=1,000, expa=1,000, expi=1,000

TUB-test chart hem6; adj & sep grey samples for visual intervall scaling, evaluation of the series  $Y_W$  with 3, 5 and 9 steps, output (rgb\*)<sup>I,0</sup> & experimental; surround mean Grey U=N08w

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

TUB registration: 20241001-hem6/hem610na.txt / .ps  
 application for evaluation and measurement of display or print output

TUB material: code=rh4ta