



hel20-3n hel21-3n

Three, 5 and 9 colour steps for visual evaluation $s: 0, 125, 250, 375, 500, 625, 750, 875, 1000$ $L^*_{TUBLOG,U}=[50/\log(5)] \log(Y/Y_U)+50, Y_N=4, Y_U=20, Y_W=100$
 Blue B00w – Blue B16w = 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
B00w	B08w	B16w	B00w	B04w	B08w	B12w	B16w	B00w	B02w	B04w	B06w	B08w	B10w	B12w	B14w	B16w

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* (1-b2)+b2	1,00 1,00	0,00 0,00	e02=0, .. c1=e02*b1	1,00 0,00 c2=b1	c24=0, .. c3=e24* (b2-b1)+b1	0,00 1,00 c4=b2	e46=0, .. c5=e46* (b3-b2)+b2	1,00 0,00 c6=b3	e68=0, .. c7=e68* (1-b3)+b3	1,00 1,00
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Three, 5 and 9 colour steps, numeric calculation example

0,00 0,000 0,000	0,60 0,600 0,390	1,00 1,000 1,000	0,00 0,000 0,000	0,50 0,300 0,202	1,00 0,600 0,390	0,50 0,800 0,690	1,00 1,000 1,000	0,00 0,000 0,000	0,45 0,135 0,115	1,00 0,300 0,202	0,50 0,450 0,299	0,00 1,000 0,600 0,390	0,50 0,700 0,538	1,00 0,800 0,690	0,49 0,900 0,844	1,00 1,000 1,000
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Three, 5 and 9 colour steps, produced visual linearization $r: 0, 135, 300, 450, 600, 700, 800, 900, 1000$ $i: 0, 115, 202, 299, 390, 538, 690, 844, 1000$ $L^*_{TUBLOG,U}=[50/\log(5)] \log(Y/Y_U)+50, Y_N=4, Y_U=20, Y_W=100$
 Blue B00w – Blue B16w = 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
B00w	B08w	B16w	B00w	B04w	B08w	B12w	B16w	B00w	B02w	B04w	B06w	B08w	B10w	B12w	B14w	B16w

hel20-7n, Test samples: 3, 5 and 9 colour steps, greu=0.500, expu=1.000, expa=1.000, expi=1.000

see similar files of the whole serie: <http://farbe.li.tu-berlin.de/hel2/hel210np.pdf> / .ps
 technical information: <http://farbe.li.tu-berlin.de> or <http://color.li.tu-berlin.de>

TUB registration: 20241001-hel2/hel210np.pdf / .ps
 application for evaluation and measurement of display or print output

TUB material: code=rh4ta