



hel30-3n

hel31-3n

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

| | | | | | | | | | | | | | | | | | | |
|------|-----------|------|------|-----------|------|------------------|------|------|-----------|------|-----------|-------------------|-----------|-------|-------------------|-------|------------------|------|
| B00w | B08w | B16w | B00w | B04w | B08w | B12w | B16w | B00w | B02w | B04w | B06w | B08w | B10w | B12w | B14w | B16w | | |
| 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 | 0,00 | b3=e48*(1-b2)+b2 | 1,00 | 0,00 | c1=e02*b1 | 0,00 | c2=b1 | c3=e24*(b2-b1)+b1 | 1,00 | 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 | 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 |

Three, 5 and 9 colour steps, numeric calculation example

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

| | | | | | | | | | | | | | | | | |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|
| B00w | B08w | B16w | B00w | B04w | B08w | B12w | B16w | B00w | B02w | B04w | B06w | B08w | B10w | B12w | B14w | B16w |
|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|------|

Three, 5 and 9 colour steps, produced visual linearization

hel30-7n, Test samples: 3, 5 and 9 colour steps, greu=0.500, expu=1.000, expa=1.000, expi=1.000