## Three, 5 and 9 colour steps for visual evaluation

s: 0, 125, 250, 375, 500, 625, 750, 875, 1000
Gelb Y00w − Gelb Y16w = White W

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

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | 12? | 25? | 37? | 50? | 62? | 75? | 87? | 100 |

## 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 | 0,00 b2=a1 | b3=e48* (1−b2)+b2 | 1,00 | 0,00 | c1=e02*b1 | c2=b1 | c3=e24* (b2−b1)+b1 | 1,00 c4=b2 | c5=e46* (b3−b2)+b2 | 0,00 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 |

r: 0, 135, 300, 450, 600, 700, 800, 900, 1000
i: 0, 115, 202, 299, 390, 538, 690, 844, 1000

## Three, 5 and 9 colour steps, produced visual linearization

Gelb Y00w − Gelb Y16w = White W

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

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| s | 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 |
| r | 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 |
| i | 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 |
| f | 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

s: 0, 125, 250, 375, 500, 625, 750, 875, 1000
Gelb Y00w − Gelb Y16w = White W

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

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 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 | 12? | 25? | 37? | 50? | 62? | 75? | 87? | 100 |

## 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 | 0,00 b2=a1 | b3=e48* (1−b2)+b2 | 1,00 | 0,00 | c1=e02*b1 | c2=b1 | c3=e24* (b2−b1)+b1 | 1,00 c4=b2 | c5=e46* (b3−b2)+b2 | 0,00 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 | 0,00 | 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 |

r: 0, 108, 270, 435, 600, 710, 820, 928, 1000
i: 0, 143, 230, 314, 390, 524, 658, 787, 1000

## Three, 5 and 9 colour steps, produced visual linearization

Gelb Y00w − Gelb Y16w = White W

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

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| r | 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 |
| i | 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 |

hem60-7n, Test samples: 3, 5 and 9 colour steps, greu=0,500, expu=1,000, expa=1,000, expi=1,000