

$\log(Y/\Delta Y)$

IECsRGBu0

Normfarbwertkontrast

$Y_{nc} = L^*_{wRGBnc} = 100, 52, 87, 31$

$C_r = (Y/\Delta Y)$

2 100

$L^*_{IECsRGBu0} = 50 (Y/Y_u)^{1/2,4} \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$

$\log(Y/dY) = -\log[2,4(Y_u/50)] + (1/2,4) \log(Y/Y_u)$

$= -(1/2,4) \log[2,4(Y_u/50)] + (1/2,4) \log(Y)$

1 10

$L^*_u = 50, dY_u = 4,80, Y_u/dY_u = 3$

$\log(Y/dY) = 0,57, m_u = 0,41$

0 1

$(Y/dY)_{90} = 7,35, \gamma = 2,4, 1/\gamma = 1/2,4 = 0,41$

$(Y/dY)_{18} = 3,74, S_n = 50,00, D_n = -0,00$

$(Y/dY)_{3,6} = 1,92, Y_u = 18, dY_u = 4,80$

Anwendungsbereich

0,1

1

10

100

$Y_u = 18$

100

Y

-1

0

$Y_N = 3,6$

1

10

100

$Y_W = 90$

2

$\log(Y)$