

$\log(Y/\Delta Y)$

IECsRGBu1

Normfarbwertkontrast

$Y_{nc} = L^*_{WRGBnc} = 100, \textcolor{red}{52}, \textcolor{blue}{87}, \textcolor{green}{31}$

$$C_r = (Y/\Delta Y)$$

100

$$L^*_{IECsRGBu1} = 50 (Y/Y_u)^{1/2,4} \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$$

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

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

10

$$L^*_{u} = 50, dY_u = 4,80, Y_u/dY_u = 3$$

0

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

-1  
-2

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

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

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

Anwendungsbereich

0,1

1

10

$Y_u = 18 \quad 100 \quad Y$

$Y_N = 3,6$

1

10

100

Y