

$\log(Y/\Delta Y)$

CIELABn5

Normfarbwertkontrast

$Y_{nc} = Y_{WRGBnc} = 100, 21, 72, 7$

$C_r = (Y/\Delta Y)$

2 100

$$t^*_{CIELABn5} = 116(Y/Y_u)^{1/3,0} - 16 \quad (Y_u = 100, Y_{nc}/100 < Y \leq Y_{nc})$$

$$\begin{aligned} \log(Y/dY) &= -\log[3,0(Y_u/115)] + (1/3,0) \log(Y/Y_u) \\ &= -(1/3,0) \log[3,0(Y_u/115)] + (1/3,0) \log(Y) \end{aligned}$$

1 10

$$t^*_u = 50, dY_u = 4,60, Y_u/dY_u = 2$$

$$\log(Y/dY) = 0,50, m = 0,35$$

0 1

$$(Y/dY)_{90} = 6,69, \gamma = 3,0, 1/\gamma = 1/3,0 = 0,33$$

$$(Y/dY)_{18} = 3,91, S_n = 115,49, D_n = -16,49$$

$$(Y/dY)_{3,6} = 2,29, Y_n = 100, dY_n = 4,60$$

----- Anwendungs-  
bereich

0,1

1

10

100

$Y_u = 18$

$Y$

-2

-1

0

$Y_N = 3,6$

1

2

$Y_W = 90$

$\log(Y)$