

$\log [(Y/\Delta Y) / (Y/\Delta Y)_u]$

CIELABu5 relativer  
Normfarbwertkontrast

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

$$C_r/C_{ru} = (Y/\Delta Y) / (Y/\Delta Y)_u$$

$$T^*_{CIELABu5} = 66 (Y/Y_u)^{1/3,0} - 16 \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$$

$$\log[(Y/dY)/(Y/dY)_u] = (1/3,0) \log(Y/Y_u)$$

2 100

1 10

0 1

-1

$(Y/dY)_{90} / (Y/dY)_u = 1,70, \gamma = 3,0, 1/\gamma = 1/3,0 = 0,33$   
 $(Y/dY)_{18} / (Y/dY)_u = 1,00, S_n = 65,49, D_n = -15,49$   
 $(Y/dY)_{3,6} / (Y/dY)_u = 0,58, Y_u = 18, dY_u = 4,58$

$$\log[(Y/dY)/(Y/dY)_u] = 0, m_u = 0,33$$

$$T^*_u = 50, dY_u = 4,58, Y_u = 18$$

--- Anwendungs-  
bereich

0,1

1

10

100

$Y_u = 18$

$Y$

$Y_N = 3,6$

1

$Y_W = 90$

2

$\log(Y)$