

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

CIELABu3 relativer
Normfarbwertkontrast

$$C_r/C_{ru} = (Y/\Delta Y) / (Y/\Delta Y)_u \quad Y_{nc} = L^*_{wRGBnc} = 100, 52, 87, 31$$

2 100

$$L^*_{CIELABu3} = 50 (Y/Y_u)^{1/2,0} + 1 \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$$

$$\log[(Y/dY)/(Y/dY)_u] = (1/2,0) \log(Y/Y_u)$$

1 10

$$(Y/dY)_{90}/(Y/dY)_u = 2,23, \gamma = 2,0, 1/\gamma = 1/2,0 = 0,50$$

$$(Y/dY)_{18}/(Y/dY)_u = 1,00, S_n = 49,21, D_n = 0,78$$

$$(Y/dY)_{3,6}/(Y/dY)_u = 0,44, Y_u = 18, dY_u = 4,06$$

0 1

$$\log[(Y/dY)/(Y/dY)_u] = 0, m_u = 0,49$$

$$L^*_u = 50, dY_u = 4,06, Y_u/dY_u = 4$$

Anwendungs-
bereich

