

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

CIELABu3 relativer
Normfarbwertkontrast

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

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

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

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

2
100

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

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

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

1
10

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

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

0
1

--- Anwendungs-
bereich

0,1

1

10

$Y_u = 18$ 100 Y

-1

0

$Y_N = 3,6$ 1

$Y_W = 90$ 2

$\log(Y)$