

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

CIELABn4 relativer
Normfarbwertkontrast

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

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

$$L^*_{CIELABn4} = 87 (Y/Y_n)^{1/1,5} + 13 \quad (Y_n = 100, Y_{nc}/100 < Y \leq Y_{nc})$$

$$\log[(Y/dY)/(Y/dY)_u] = (1/1,5) \log(Y/Y_u)$$

2
100

$$(Y/dY)_{90}/(Y/dY)_u = 2,92, \gamma = 1,5, 1/\gamma = 1/1,5 = 0,66$$

$$(Y/dY)_{18}/(Y/dY)_u = 1,00, S_n = 86,98, D_n = 13,01$$

$$(Y/dY)_{3,6}/(Y/dY)_u = 0,34, Y_n = 100, dY_n = 5,40$$

1
10

$$\log[(Y/dY)/(Y/dY)_u] = 0, m_u = 0,66$$

$$L^*_u = 41, dY_u = 5,40, Y_u/dY_u = 3$$

0
1

Anwendungs-
bereich

0,1

10

1

10

100

Y

Y_u = 18

Y_N = 3,6

Y_W = 90

2

log(Y)