

log (Y/ ΔY)

LABJNDu4

Normfarbwertkontrast

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

$C_r = (Y/\Delta Y)$

4 10000

$$L^*_{LABJNDu4} = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$$

$$L^*_{LABJNDu4} = \ln(A_{1n} + A_{2u}x) / (A_{2u}A_{0n}) \quad (x = Y/Y_u)$$

$$Y/dY = Y/[A_{0n}(A_{1n} + A_{2n}Y)] = x Y_u/[A_{0n}(A_{1n} + A_{2u}x)]$$

3 1000

$$L^*_u = 791, dY_u = 0,09, Y_u/dY_u = 197$$

$$\log(Y/dY) = 2,29, m_u = 0,26$$

2 100

1

0,1

1

10

$x_u = 1$

100

Y

$x_N = 0,2$

1

$x_W = 5$

2

log(Y)

Anwendungsbereich