

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 $(Y/dY)_{90} = 397,56, A_{0n} = 1,0, A_{2u} = 0,0438, c_x = 0,42$

$$L^*_u(Y_u) = 118,48, Y_u = 0,05, Y_u/Y_{90} = 0,00935, A_{2n} = 0,0024$$

$$-(Y/dY)_{3,6} = 226,27, Y_u = 18, dY = 2,55$$

$$\log(Y/dY) = 2,54, m_u = 0,13$$

2 100

1 -2 -1 0 1 10 100 Y
 $x_N = 0,2$ $x_u = 1$ $x_W = 5$ $2 \log(Y)$

Anwendungsbereich