

log (Y/ΔY)

LABJNDu2

Normfarbwertkontrast

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

$$C_r = (Y/\Delta Y)$$

4
10000

$$l^*_{LABJNDu2} = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$$

$$l^*_{LABJNDu2} = \ln(A_{1n} + A_{2u}x) / (A_{2u}A_{0n}) \quad (x = Y/Y_u)$$

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

3
1000

2
100

$$l^*_u = 332, dY_u = 0,17, Y_u/dY_u = 101$$

$$\log(Y/dY) = 2,00, m_u = 0,11$$

--- Anwendungs-
bereich

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