

log ($\Delta Y/Y$)

LABJNDu1

Normfarbwertemfindlichkeit

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

$S_r = (\Delta Y/Y)$

0 -1

$$L^*_{LABJNDu1} = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$$

$$L^*_{LABJNDu1} = \ln(A_{1n} + A_{2u}x) / (A_{2u}A_{0n}) \quad (x = Y/Y_u)$$

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

$$(dY/Y)_{90} = 0,0089, A_{0n} = 1,5, A_{2u} = 0,1044, c_x = 1,00$$

$$(dY/Y)_{18} = 0,0101, A_{1n} = 0,017, A_{2n} = 0,0058$$

$$(dY/Y)_{3,6} = 0,0157, Y = 18, dY_u = 0,18$$

$$\log(dY/Y) = -1,99, m_u = -0,15$$

$$L^*_u = 332, dY_u = 0,18, dY_u/Y_u = 0,0101$$

Anwendungsbereich

