

$\log(\Delta Y)$

LABJNDu4

Normfarbwertdifferenz

$$Y_{nc} = L^* \mathbf{w}_{\text{RGB}} \mathbf{nc} = 100, 52, 87, 31$$

ΔY
1-10

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

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

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

0-1 $A_{0n,D65} = 1,5, A_{0n,A} = 1,0$, siehe CIE 230:2019

-1-0,1 $L^*_u = 791, dY_u = 0,07, dY_u/Y_u = 0,0042$

$\log(dY) = 0,07, m_u = 0,85$

Anwendungsbereich

