

$\log(\Delta Y)$

LABJNDu4

Normfarbwertdifferenz

$$Y_{nc} = L^* w_{RGB} nc = 100, 52, 87, 31$$

ΔY

1-10

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

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

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

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

$$L^*_u = 332, dY_u = 0,16, dY_u/Y_u = 0,0092$$

$$-1-0,1 \log(dY) = 0,16, m_u = 0,93$$

Anwendungsbereich

