

$\log(\Delta Y)$

LABJNDu3

Normfarbwertdifferenz

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

ΔY

1-10

$$l^*_{LABJNDu3} = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$$

$$l^*_{LABJNDu3} = \ln(A_{1n} + A_{2u}x) / (A_{2u}A_{0n}) \quad (x = Y/Y_u)$$

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

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

$$l^*_u = 496, dY_u = 0,12, dY_u/Y_u = 0,0067$$

$$\log(dY) = 0,12, m_u = 0,85$$

$$dY_{90} = 0,54, A_{0n} = 1,5, A_{2u} = 0,0099, l_{cx} = 0,67$$

$$dY_{18} = 0,12, A_{1n} = 0,011, A_{2n} = 0,0038$$

$$dY_{3,6} = 0,03, Y_u = 18, dY_u = 0,12$$

Anwendungsbereich

