

$\log(\Delta Y)$

LABJNDu7

Normfarbwertdifferenz

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

ΔY

1-10

$$t_{LABJNDu7}^* = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$$

$$t_{LABJNDu7}^* = \ln(A_{1n} + A_{2u}x) / (A_{2u}A_{0n}) \quad (x = Y/Y_u)$$

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

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

$$t_u^* = 396, dY_u = 0,15, dY_u/t_u^* = 0,000379$$

$$-1-0,1 \log(dY) = 0,15, m_u = 0,83$$

Anwendungsbereich

0,1

1

10

100

Y

-1

0

1

2

$\log(Y)$