

$\log(\Delta Y)$

LABJNDu7

Normfarbwertdifferenz

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

$\Delta Y$

1-10

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

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

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

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

$$t^*_u = 396, dY_u = 0,15, dY_u/A_{0n} = 0,087$$

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

$$dY_{90} = 0,68, A_{0n} = 1,5, A_{1n} = 0,017, A_{2n} = 0,0048, l_{cx} = 0,84$$

$$dY_{18} = 0,15, A_{1n} = 0,017, A_{2n} = 0,0048$$

$$dY_{3,6} = 0,05, Y_u = 18, dY_u = 0,15$$

Anwendungsbereich

-2 -1 0 1 10 100  $Y$   
 $x_N = 0,2$  1  $x_W = 5$  2  $\log(Y)$