

$\log(\Delta Y)$

LABJNDu8

Normfarbwertdifferenz

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

ΔY

1-10

$$t^*_{LABJNDu8} = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$$

$$t^*_{LABJNDu8} = \ln(A_{1n} + A_{2u}x) / (A_{2u}A_{0n}) \quad (x = Y/Y_u)$$

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

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

-1-0,1 $t^*_u = 744, dY_u = 0,08, dY_{18}/dY_u = 0,0045$

$\log(dY) = 0,08; m_{0n} = 1,85, A_{2n} = 0,0019, c_x = 0,67$

$dY_{18} = 0,08, A_{1n} = 0,011, A_{2u} = 0,0038$

$dY_{3,6} = 0,02, Y_u = 18, dY_{18}/dY_u = 0,08$

Anwendungsbereich

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