

$\log(\Delta Y)$

LABJNDu8

Normfarbwertdifferenz

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

ΔY

1-10

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

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

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

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

$T^*_u=332, dY_u=0,17, dY_u/Y_u=0,0096$

-1-0,1 $\log(dY)=0,17, m_u=0,90$

$dY_{90}=0,80, A_{0n}=1,5, A_{2n}=0,0044, C_x=0,67$

$dY_{18}=0,17, A_{0n}=1,0, A_{2n}=0,0058$

$dY_{3,6}=0,04, Y_u=18, dY_u=0,17$

Anwendungsbereich

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