

$\log(\Delta Y)$

LABJNDu6

Normfarbwertdifferenz

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

ΔY

1-10

$$T^*_{LABJNDu6} = \ln(A_{1n} + A_{2n} Y) / (A_{2n} A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$$

$$T^*_{LABJNDu6} = \ln(A_{1n} + A_{2n} x) / (A_{2n} A_{0n}) \quad (x = Y/Y_u)$$

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

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

$T^*_u=332, dY_u=0,18, dY_u/Y_u=0,0101$

-1-0,1 $\log(dY)=0,18, m_u=0,85$

$dY_{90}=0,80, A_{0n}=1,5, A_{1n}=0,017, A_{2n}=0,0058, c_x=1,00$

$dY_{18}=0,18, A_{1n}=0,017, A_{2n}=0,0058$

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

Anwendungsbereich

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