

$\log(\Delta Y)$

LABJNDu4

Normfarbwertdifferenz

$Y_{nc}=Y_W \text{RGB}_{nc}=100, 21, 72, 7$

ΔY

10

$$l^*_{\text{LABJNDu4}} = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$$

$$l^*_{\text{LABJNDu4}} = \ln(A_{1n} + A_{2u}x) / (A_{2u}A_{0n}) \quad (x = Y/Y_u)$$

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

0

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

0,1

-0,1

-1

-1,1

-1,9

-2

$$l^*_u = 332, dY_u = 0,16, dY_u/Y_u = 0,0092$$

$$0,16, \log(dY)=0,16, m_u=0,93$$

$$dY_{90}=0,79, A_{0n}=1,5, A_{2u}=0,4044, c_x=0,42$$

$$dY_{18}=0,16, A_{1n}=0,007, A_{2n}=0,0058$$

$$dY_{3,6}=0,04, Y_u=18, dY_u=0,16$$

Anwendungsbereich

0,1

1

10

$x_u=1$

100

$x_N=0,2$

1

$x_W=5$

2

$\log(Y)$