

$\log(\Delta Y)$

LABJNDu0

Normfarbwertdifferenz

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

ΔY

1-10

$$l^*_{LABJNDu0} = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$$

$$l^*_{LABJNDu0} = \ln(A_{1n} + A_{2u}x) / (A_{2u}A_{0n}) \quad (x = Y/Y_u)$$

$$dY = A_{0n}(A_{1n} + A_{2n}Y) = A_{0n}(A_{1n} + A_{2u}x), \text{ siehe CIE 230:2019}$$

0-1

$$dY_{90} = 0,35, A_{0n} = 0,6666, A_{2u} = 0,1044, c_x = 1,00$$

$$dY_{18} = 0,08, A_{1n} = 0,017, A_{2n} = 0,0058$$

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

$$-1-0,1 \quad l^*_u = 748, dY_u = 0,08, dY_u/Y_u = 0,0044$$

$$\log(dY) = 0,08, m_u = 0,85$$

Anwendungsbereich

0,1

10

100

Y

-2

-1

0

$x_N = 0,2$

1

$x_W = 5$

2

$\log(Y)$