

$\log(\Delta Y)$

LABJNDu3

Normfarbwertdifferenz

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

ΔY

1-10

$$L^*_{LABJNDu3} = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$$

$$L^*_{LABJNDu3} = \ln(A_{1n} + A_{2u}x) / (A_{2u}A_{0n}) \quad (x = Y/Y_u)$$

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

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

-1-0,1 $L^*_u = 744, dY_u = 0,08, dY_u/Y_u = 0,0045$

$\log(dY) = 0,08, A_{0n} = 1,0, A_{2u} = 0,069, c_x = 0,67$

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

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

Anwendungsbereich

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