

$\log(\Delta Y)$

LABJNDu9

Normfarbwertdifferenz

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

ΔY

1-10

$$T^*_{LABJNDu9} = \ln(A_{1n} + A_{2n} Y) / (A_{2n} A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$$

$$T^*_{LABJNDu9} = \ln(A_{1n} + A_{2u} x) / (A_{2u} A_{0n}) \quad (x = Y/Y_u)$$

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

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

-1-0,1

$$T^*_{LABJNDu9} = 1187, dY = 0,05, dY/Y = 0,0028, dY_{3,6} = 0,01, Y_u = 18, dY_{3,6}/Y_u = 0,00056$$

$$w_{RGB} = 0,22, w_{GB} = 0,71, A_{1n} = 0,0007, A_{2n} = 0,0024, A_{1u} = 0,0007, A_{2u} = 0,0024$$

$$\log(dY) = 0,05, m_{LABJNDu9} = 0,8907, A_{1n} = 0,0007, A_{2n} = 0,0024$$

$$dY_{3,6} = 0,01, Y_u = 18, dY_{3,6}/Y_u = 0,00056$$

Anwendungsbereich

-2 -1 0 1 2 $\log(Y)$