

$\log(\Delta Y)$

LABJNDu8

tristimulus value difference

$$Y_{nc} = L * W_{RGBnc} = 100, 52, 87, 31$$

ΔY

1-10

$$T^*_{LABJNDu8} = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$$

$$T^*_{LABJNDu8} = \ln(A_{1n} + A_{2u}x) / (A_{2u}A_{0n}) \quad (x = Y/Y_u)$$

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

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

$$T^*_u = 496, dY_u = 0,12, dY_u/Y_u = 0,0067$$

$$\log(dY) = 0,12, m_u = 0,85$$

application
range

