

$\log(\Delta Y)$

LABJNDu2

tristimulus value difference

$Y_{nc} = L^*_{WRGBnc} = 100, \textcolor{red}{52}, \textcolor{green}{87}, \textcolor{blue}{31}$

ΔY

10

$$L^*_{\text{LABJNDu2}} = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$$

$$L^*_{\text{LABJNDu2}} = \ln(A_{1n} + A_{2u}x) / (A_{2u}A_{0n}) \quad (x = Y/Y_u)$$

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

0

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

1

$$L^*_{u} = 332, dY_u = 0,17, dY_u/Y_u = 0,0098$$

-1

$$0,1 \log(dY) = 0,17, m_u = 0,87$$

-2

-2 -1 0 1 10 $x_N=0,2$ 1 $x_u=1$ 100 Y



application
range