

$\log(\Delta Y)$

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

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

-1

$$L^*_{u}=396, dY_u=0,15, dY_u/Y_u=0,0087$$

-0, log(dY)=0,15, $m_u=0,83$

-2

0,1

1

10

$x_u=1$

100 Y

$x_N=0,2$

1

$x_W=5$

2

$\log(Y)$

application range