

$\log(\Delta Y)$

LABJNDu1

tristimulus value difference

$Y_{nc}=Y_{wRGBnc}=100, \mathbf{21}, \mathbf{72}, \mathbf{7}$

ΔY

1-10

$$l^*_{LABJNDu1} = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$$

$$l^*_{LABJNDu1} = \ln(A_{1n} + A_{2u}x) / (A_{2u}A_{0n}) \quad (x = Y/Y_u)$$

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

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

$$l^*_u=332, dY_u=0,18, dY_u/Y_u=0,0101$$

$$-1-0,1 \log(dY)=0,18, m_u=0,85$$

0,1

1

10

$x_u=1$

100

2

$\log(Y)$

$x_N=0,2$

$x_W=5$

application
range