

$\log \Delta Y$

IECsRGB-
tristimulus value difference

$\log(\Delta Y)$

2-100

$$L^*_{\text{IECsRGB}} = s(Y/Y_u)^{1/2,4} \quad (s=50, Y_u=18, 1/255 < Y < 100)$$

IECsRGB-tristimulus value difference

$$\begin{aligned}\log(dY) &= \log(2,4(Y_n/100)) + (1-(1/2,4)) \log(Y/Y_n) \\ &= \log(2,4(Y_n^{1/2,4})/100) + (1-(1/2,4)) \log(Y)\end{aligned}$$

0-1

$$Y_u=18, dY_u=0,90, dY_u/Y_u=0,0480$$

$$\log(dY)=0,88, m_u=0,58$$

application
range

