

$\log \Delta Y$

IECsRGB-

tristimulus value difference

$\log(\Delta Y)$

2 100

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

IECsRGB-tristimulus value difference

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

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

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

application
range

