

$\log(\Delta Y / \Delta Y_u)$

relative IECsRGB-tristimulus value difference

$\Delta Y / \Delta Y_u$

2  
100

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

relative IECsRGB-tristimulus value difference

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

