

$\log \Delta Y$

IECsRGB-

tristimulus value difference

$\log(\Delta Y)$

2 100

($s=50, Y_u=1,4, 1/255 < Y < 7$)

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

IECsRGB-tristimulus value difference

1 10

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

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

