

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

relative IECsRGBJND-tristimulus value difference

$\Delta Y / \Delta Y_u$

2-100

$$L^*_{\text{IECsRGBJND}} = 450 (Y/Y_n)^{1/7,2}$$

relative IECsRGBJND-tristimulus value difference

$$\begin{aligned}\log(dY) &= \log(7,2(Y_n/100)) + (1-(1/7,2)) \log(Y/Y_n) \\ &= \log(7,2(Y_n^{1/7,2})/100) + (1-(1/7,2)) \log(Y)\end{aligned}$$

