

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

CIELABu3 relative
tristimulus value difference

$Y_{nc} = Y_{W\text{RGB}_{nc}} = 100, 21, 72, 7$

$l^*_{\text{CIELABu3}} = 50 (Y/Y_u)^{1/2,0} + 1 \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$

$\log(dY/dY_u) = [1 - (1/2,0)] \log(Y/Y_u)$

