

$\log(\Delta Y)$

CIELABu9

tristimulus value difference

$$Y_{nc} = L^* \mathbf{w}_{RGB} \mathbf{B}_{nc} = 100, \text{red}, \text{green}, \text{blue}$$

$$T^*_{\text{CIELABu9}} = 37 (Y/Y_u)^{1/1,5} + 13 \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$$

$$\log(dY) = (1/1,5) \log[1,5(Y_u/36)] + [1 - (1/1,5)] \log(Y)$$

