

$\log(\Delta Y)$

CIELABu8

tristimulus value difference

$Y_{nc} = Y_W$  RGB<sub>nc</sub> = 100, 21, 72, 7

$\Delta Y$   
2 100  
1 10  
0 1

$$t^*_{\text{CIELABu8}} = 50 (Y/Y_u)^{1/2,0} + 1 \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$$

$$\log(dY) = (1/2,0) \log[2,0(Y_u/49)] + [1 - (1/2,0)] \log(Y)$$

$$t^*_u = 50, dY_u = 4,06, dY_u/Y_u = 0,2257$$

$$\log(dY) = 4,06, m_u = 0,50$$

application  
range

