

$\log(\Delta Y)$

CIELABu8

tristimulus value difference

$Y_{nc}=Y_W$ **RGBnc=100, 21, 72, 7**

ΔY
2
100

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

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

1
10

$$t^*_{u}=50, dY_u=4,06, dY_u/Y_u=0,2257$$

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

0
-1

$$dY_{90}=9,08, \gamma=2,0, 1/\gamma-1/2,0=0,50$$

$$dY_{18}=4,06, S_n=49,21, D_n=0,78$$

$$dY_{3,6}=1,81, Y_u=18, dY_u=4,06$$

application range

