

$\log(\Delta Y)$

CIELABuS

tristimulus value difference

$Y_{nc}=L^*_{WRGBnc}=100, \textcolor{red}{52}, \textcolor{blue}{87}, \textcolor{green}{31}$

ΔY
2
100

$$T^*_{\text{CIELABuS}}=66(Y/Y_u)^{1/3,0}-16 \quad (Y_u=18, Y_{nc}/100 < Y \leq Y_{nc})$$

$$\log(dY) = (1/3,0) \log[3,0(Y_u/65)] + [1-(1/3,0)] \log(Y)$$

1
10

$$T^*_{u}=50, dY_u=4,58, dY_u/Y_u=0,2544$$

$$\log(dY)=4,58, m_u=0,66$$

0
-1

$$dY_{90}=13,39, \gamma=3,0, \gamma=1/3,0=0,33$$

$$dY_{18}=4,58, S_n=6,49, D_n=-15,49$$

$$dY_{3,6}=1,56, Y_u=18, dY_u=4,58$$

application range

0,1

1

10

-1

-1

0

$Y_N=3,6$

1

$Y_u=18 \quad 100 \quad Y_W=90$

2

1

$\log(Y)$