

$\log (\Delta Y/Y)$

CIELABu6

tristimulus value sensitivity

$Y_{nc}=Y_{wRGBnc}=100, 21, 72, 7$

$S_r=(\Delta Y/Y)$

2-100

$t^*_{CIELABu6}=66(Y/Y_u)^{1/3,0}-16 \quad (Y_u=18, Y_{nc}/100<Y\leq Y_{nc})$

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

1-10

$\log(dY/Y)=-0,55, m_u=-0,35$

$t^*_u=50, dY_u=4,58, dY_u/Y_u=0,2544$

application range

-1-0,1 1 10 100 Y
 $Y_N=3,6$ $Y_W=90$ $2 \log(Y)$