

$\log(\Delta Y/\Delta Y_u)$

IECsRGBu9 relative
tristimulus value difference

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

$\Delta Y/\Delta Y_u$

2
100

$T^*_{IECsRGBu9}=50(Y/Y_u)^{1/1,2} (Y_u=18, Y_{nc}/100 < Y \leq Y_{nc})$

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

1
10

$dY_{90}/dY_u=1,30, \gamma=1,2, 1/\gamma=1/1,2=0,83$

$dY_{18}/dY_u=1,00, S_n=50,00, D_n=-0,00$

$dY_{3,6}/dY_u=0,76, Y_u=18, dY_u=2,40$

0
-1

$T^*_{u}=50, dY_u=2,40, dY_u/Y_u=0,1333$

$\log[(dY)/(dY)_u]=0, m=0,25$

application
range

0,1

1

10

$Y_u=18 \quad 100 \quad Y$

-1

0

1

$Y_u=90 \quad 2 \quad log(Y)$