

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

IECsRGBu8 relative
tristimulus value difference

$Y_{nc}=Y_{W\text{RGB}nc}=100, \text{21, 72, 7}$

$t^*_{\text{IECsRGBu8}}=50 (Y/Y_u)^{1/1,6} (Y_u=18, Y_{nc}/100 < Y \leq Y_{nc})$

$\log(dY/dY_u) = [1-(1/1,6)] \log(Y/Y_u)$

$\Delta Y/\Delta Y_u$

2 100

1 10

0 1

-1

-2

$dY_{90}/dY_u=1,82, \gamma=1,6, 1/\gamma=1/1,6=0,62$

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

$dY_{3,6}/dY_u=0,54, Y_u=18, dY_u=3,20$

$t^*_u=50, dY_u=3,20, dY_u/Y_u=0,1777$

$\log[(dY)/(dY)_u]=0, m_u=0,37$

application
range

0,1

-1

$Y_N=3,6$

10

1

100

2

$Y_u=18$

$Y_W=90$

$\log(Y)$