

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

IECsRGBu8 relative
tristimulus value difference

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

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

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

2
100

$\Delta Y/\Delta Y_u$

1
10

0
1

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

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

application
range

0,1

1

10

100

$Y_u = 18$

100

Y

$Y_N = 3,6$

$Y_W = 90$

2

$\log(Y)$