

$\log(\Delta Y)$

IECsRGBu5

tristimulus value difference

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

ΔY
2
100

$$t^*_{IECsRGBu5} = 50 (Y/Y_u)^{1/2,4} \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$$

$$\log(dY) = (1/2,4) \log[2,4(Y_u/50)] + [1 - (1/2,4)] \log(Y)$$

1
10

$$t^*_u = 50, dY_u = 4,80, dY_u/Y_u = 0,2666$$

$$\log(dY) = 4,80, m_u = 0,58$$

0
1

application
range

0,1

1

10

$Y_u = 18$

100

Y

-1

0

1

$Y_N = 3,6$

$Y_W = 90$

2

$\log(Y)$