

$\log(Y/\Delta Y)$

IECsRGBu3

tristimulus value contrast

$Y_{nc} = L^*_{wRGBnc} = 100, 52, 87, 31$

$C_r = (Y/\Delta Y)$

2 100

$L^*_{IECsRGBu3} = 50 (Y/Y_u)^{1/1,6} \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$

$\log(Y/dY) = -\log[1,6(Y_u/50)] + (1/1,6) \log(Y/Y_u)$   
 $= -(1/1,6) \log[1,6(Y_u/50)] + (1/1,6) \log(Y)$

1 10

$L^*_u = 50, dY_u = 3,20, Y_u/dY_u = 5$

$\log(Y/dY) = 0,75, m_u = 0,62$

0 1

0,1

1

10

100

$Y_u = 18$

$Y$

$Y_N = 3,6$

1

$Y_W = 90$

2

$\log(Y)$

application range