

$\log(Y/\Delta Y)$

IECsRGBu4

tristimulus value contrast

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

$C_r = (Y/\Delta Y)$

2 100

$L^*_{IECsRGBu4} = 50 (Y/Y_u)^{1/1,2} (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$

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

1 10 $L^*_u = 50, dY_u = 2,40, Y_u/dY_u = 7$

$\log(Y/dY) = 0,87, m_u = 0,83$

0 1

-1 0,1

-2 0 1 10 $Y_u = 18$ 100 Y
 $Y_N = 3,6$ 1 $Y_W = 90$ 2 $\log(Y)$

application range