

$\log(Y/\Delta Y)$

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

$(Y/dY)_{90} = 15,38, \gamma = 1,6, 1/\gamma = 1/1,6 = 0,62$

$(Y/dY)_{18} = 5,62, S_n = 50,00, D_n = -0,00$

$(Y/dY)_{3,6} = 2,06, Y_u = 18, dY_u = 3,20$

application
range

0,1

1

10

100

$Y_u = 18$

100

Y

-2

-1

0

$Y_N = 3,6$

1

10

$Y_W = 90$

2

$\log(Y)$