

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

IECsRGBu2 relative
tristimulus value difference

$Y_{nc} = L^* \mathbf{wRGB}_{nc} = 100, \mathbf{52, 87, 31}$

$L^*_{IECsRGBu2} = 50 (Y/Y_u)^{1/2,0} \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$

$\log(dY/dY_u) = [1 - (1/2, 0)] \log(Y/Y_u)$

$\Delta Y/\Delta Y_u$

2 100

1 10

$dY_{90}/dY_u = 2,23, \gamma = 2,0, 1/\gamma = 1/2,0 = 0,50$

$dY_{18}/dY_u = 1,00, S_n = 50,00, D_n = -0,00$

$dY_{3,6}/dY_u = 0,44, Y_u = 18, dY_u = 4,00$

0 1

$L^*_u = 50, dY_u = 4,00, dY_u/Y_u = 0,2222$

$\log[(dY)/(dY)_u] = 0, m_u = 0,49$

application
range

0,1

1

10

100

$Y_u = 18$

100

Y

$Y_N = 3,6$

1

$Y_W = 90$

2

$\log(Y)$