

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

IECsRGBu1 relative  
tristimulus value difference

$Y_{nc} = Y_W$  **R** **G** **B**  $nc = 100, 21, 72, 7$

$\Delta Y/\Delta Y_u$

2 100

$l^*_{IECsRGBu1} = 50 (Y/Y_u)^{1/2,4} \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$

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

1 10

$dY_{90}/dY_u = 2,55, \gamma = 2,4, 1/\gamma = 1/2,4 = 0,41$

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

$dY_{3,6}/dY_u = 0,39, Y_u = 18, dY_u = 4,80$

0 1

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

$\log[(dY)/(dY)_u] = 0, m_u = 0,58$

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application  
range

-2  
-1

0,1

0

10

1

100

2

$Y_u = 18$

$Y_W = 90$

$Y$

$\log(Y)$