

log (Y/ΔY)

LABJNDu7

tristimulus value contrast

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

$C_r = (Y/\Delta Y)$

4  
10000

$T^*_{LABJNDu7} = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$

$T^*_{LABJNDu7} = \ln(A_{1n} + A_{2u}x) / (A_{2u}A_{0n}) \quad (x = Y/Y_u)$

$Y/dY = Y/[A_{0n}(A_{1n} + A_{2n}Y)] = x Y_u/[A_{0n}(A_{1n} + A_{2u}x)]$

3  
1000

$(Y/dY)_{90} = 198,78, A_{0n} = 1,0, A_{2u} = 0,0876, c_x = 0,84$

$(Y/dY)_{18} = 176,51, A_{1n} = 0,014, A_{2n} = 0,0048$

$T^*_u = 593,3, dY_u = 0,10, Y_u/dY_u = 176$

2  
100

$\log(Y/dY) = 2,24, m_u = 0,13$

1

application range

0,1

1

10

100

Y

-2

-1

0

$x_N = 0,2$

1

10

100

Y

$x_u = 1$

100

Y

$1/x_w = 5$

2

log(Y)