

log (Y/ΔY)

LABJNDu8

tristimulus value contrast

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

$$C_r = (Y/\Delta Y)$$

4  
10000

$$T^*_{LABJNDu8} = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$$

$$T^*_{LABJNDu8} = \ln(A_{1n} + A_{2u}x) / (A_{2u}A_{0n}) \quad (x = Y/Y_u)$$

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

3  
1000

$$T^*_u = 496, dY_u = 0,13, Y_u/dY_u = 138$$

2  
100  
 $\log(Y/dY) = 2,13, m_u = 0,18$

application  
range

1  
-2      -1      0      1      10      100  
0,1      1      10       $x_u = 1$       100  
 $x_N = 0,2$       1       $x_W = 5$       2  
log(Y)