

$\log(Y/\Delta Y)$

LABJNDu9

tristimulus value contrast

$Y_{nc} = Y_{wRGBnc} = 100, 21, 72, 7$

$C_r = (Y/\Delta Y)$

4  
10000

$$t^*_{LABJNDu9} = \ln(A_{1n} + A_{2n}Y) / (A_{2n}A_{0n}) \quad (Y_{nc}/100 < Y \leq Y_{nc})$$

$$t^*_{LABJNDu9} = \ln(A_{1n} + A_{2u}x) / (A_{2u}A_{0n}) \quad (x = Y/Y_u)$$

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

3  
1000

$$(Y/dY)_{90} = 253,97, A_{0n} = 1,5, A_{2u} = 0,0438, c_x = 0,42$$

$$(Y/dY)_{18} = 197,21, A_{1n} = 0,017, A_{2n} = 0,0024$$

$$t^*_u = \frac{Y}{Y_u} \frac{dY}{dY_u} = 0,09, Y_u = 197,21, \frac{dY}{dY_u} = 197,0,09$$

2  
100

$$\log(Y/dY) = 2,29, m_u = 0,26$$

1

0,1

1

10

100 y

-2

-1

0

$x_N = 0,2$

1

$x_W = 5$

2

$\log(Y)$

application range