

$\log [(Y/\Delta Y) / (Y/\Delta Y)_u]$

CIELABu9 relative
tistimulus value contrast

$$C_r/C_{ru} = (Y/\Delta Y)/(Y/\Delta Y)_u$$

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

$$T^*_{CIELABu9} = 37 (Y/Y_u)^{1/1,5} + 13 \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$$

$$\log[(Y/dY)/(Y/dY)_u] = (1/1,5) \log(Y/Y_u)$$

2
100
1
10
0
1
-1
-2

$$\log[(Y/dY)/(Y/dY)_u] = 0, m_u = 0,66$$

$$T^*_u = 50, dY_u = 4,05, Y_u/dY_u = 1$$

application
range

0,1

10

1

100

Y

-1

0

Y_N=3,6

1

Y_W=90

2

log(Y)