

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

CIELABu6 relative
tistimulus value contrast

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

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

2 100

$$t^*_{CIELABu6} = 66 (Y/Y_u)^{1/3,0} - 16 \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$$

$$\log[(Y/dY)/(Y/dY)_u] = (1/3,0) \log(Y/Y_u)$$

1 10

0 1

$$\log[(Y/dY)/(Y/dY)_u] = 0, m_u = 0,33$$

$$t^*_u = 50, dY_u = 4,56, Y_u/dY_u = 2$$

application
range

0,1

1

10

100

$Y_u = 18$

Y

-1

0

1

2

$Y_N = 3,6$ $Y_W = 90$ $\log(Y)$