

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

CIE LABu4 relative
tistimulus value contrast

$$C_r/C_{ru} = (Y/\Delta Y) / (Y/\Delta Y)_u \quad Y_{nc} = L^*_{wRGBnc} = 100, 52, 87, 31$$

$$L^*_{CIE LABu4} = 37 (Y/Y_u)^{1/1,5} + 13 \quad (Y_u = 18, Y_{nc}/100 < Y \leq Y_{nc})$$

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

2
100

$$(Y/dY)_{90}/(Y/dY)_u = 2,92, \gamma = 1,5, 1/\gamma = 1/1,5 = 0,66$$

$$(Y/dY)_{18}/(Y/dY)_u = 1,00, S_n = 36,98, D_n = 13,01$$

$$(Y/dY)_{3,6}/(Y/dY)_u = 0,34, Y_u = 18, dY_u = 4,05$$

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

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

application
range

