

$$(Y/\Delta Y) / (Y_u/\Delta Y_u)$$

CIE Y-based contrast
normalized to $Y_u/\Delta Y_u$

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

3

2

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

$$\bar{L}^*_u = 50, Y_u = 18, dY_u = 0,83, Y_u/dY_u = 21$$

0,249

0,426

$Y_u = 18$

application
range

-1

0

1

100

1000

10000 Y

4 log Y