

**CIE Y contrast  
normalized to  $Y_u/\Delta Y_u$**

$$C_F/C_{F0} = (Y/\Delta Y)/(Y_H/\Delta Y_H) \text{ LABJND \& CIEDE2000}$$

### Y contrast according to CIEDE2000

$$\log[(Y/\Delta Y)/(Y_{\text{II}}/\Delta Y_{\text{II}})] = \log(Y/Y_{\text{II}})^{1/3}$$

$$L^*_n=50, Y_n=18, dY_n=0,83$$

1 + 10

$$L^*_u=50, Y_u=18, dY_u=0,83, Y_u/dY_u=21$$

$$\log[(Y/dY)/(Y_u/dY_u)]=0, m_u=0,18$$

$$m_{u+} = 0.13$$

**application  
range**

$$m_{\mu}=0,14$$

01

1

10

$$Y_{11} = 18 \text{ } 100 \text{ } y$$


1

2

 $\log(Y)$