

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

CIE Y contrast

normalized to  $(Y/\Delta Y)_u$

$$C_r/C_{ru} = (Y/\Delta Y)/(Y/\Delta Y)_u \text{ LABJND \& CIEDE2000}$$

Y contrast according to CIEDE2000

$$\log[(Y/\Delta Y)/(Y/\Delta Y)_u] = (1/3) \log((Y/Y_u))$$

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

10

$$L^*_u=50, Y_u=18, dY_u=0,83, (Y/dY_u)=22$$

1

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

0

$$m_{u+} = 0,13$$

-1

$$m_{u-} = 0,14$$

0,1

1

10

100

Y

-2

-1

0

1

2

log Y

application

range