

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

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

$C_r/C_{ru} = (Y/\Delta Y)/(Y/\Delta Y)_u$ LABJND & **CIELAB**
normalized Y contrast according to CIELAB

$$\log[(Y/dY)/(Y/dY)_u] = (1/3) \log(Y/dY_u)$$

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

1 **10**

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

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

$m_{u+}=$
0,13

0 **1**

application
range

$m_{u-}=0,14$

0,1

1

10

$Y_u=18$ **100** **Y**

-1

-2

-1

0

1

2

$\log Y$