

$\log [(Y/\Delta Y) / (Y_u/\Delta Y_u)]$  CIE Y-based contrast

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

2  $100 L^* = 116 (Y/Y_n)^{1/3} - 16 (Y_n=100, 1 \leq Y \leq 100)$  [1h]

$Y/dY = (3/116) \cdot Y_n^{1/3} Y^{2/3}$  [2h]

$Y/dY = e \cdot (Y/Y_u)^{2/3}$  [3h]

$Y/dY = f \cdot (Y/Y_u)^{2/3}$  [4h]

$e = 833,048$   $f = 5721,613$  [5h]

$Y_u=18, dY_u=0,83, Y_u/dY_u=21$

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

