

$\Delta Y / \Delta Y_u$ 

CIE tristimulus value difference

 $\Delta Y$  normalized to  $\Delta Y_u$  $\Delta Y / \Delta Y_u$ 

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

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

$$dY = a \cdot (Y/Y_n)^{2/3} \quad [3d]$$

$$dY = b \cdot (Y/Y_u)^{2/3} \quad [4d]$$

$$a = 0,557 \quad [5d]$$

$$b = 3,826$$

3,089

6

4

2

0

$$Y_u=18, dY_u=0,83, (dY/Y_u)=0,045$$

$$[(dY)/(dY_u)]=1, m_u=1,59$$

application  
range

0,1

0,143

10

100

 $Y_u=18$  $Y$ 

-2 -1 0 1 2 log Y