

$\Delta Y / \Delta Y_u$ 

CIE tristimulus value difference

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

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

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

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

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

$$a = 0,557$$

$$b = 6,516$$

$$[5d]$$

4

2

$$\log[(dY)/(dY_u)] = 0, m_u = 0,00$$

$$Y_u = 18, dY_u = 0,83, Y_w = 36, Y_u = 0,48, Y_w = 90$$

0,062

0,181

10

100

1000

10000 y

application range

-1 0 1 2 3 4 log Y