

$L^*/L^*_u$ 

CIELAB lightness  $L^*$  normalized  
to the background lightness  $L^*_u$

$$L^* = s (Y/Y_n)^n - d \quad (Y_n=100, Y_u=18, s=116, n=1/3, d=16) \quad [1a]$$

$$L^* = r (Y/Y_u)^n - d \quad (r = s (Y_u/Y_n)^n = 65,49, L^*_u = r - d) \quad [1b]$$

$$L^*/L^*_u = g (Y/Y_u)^n - h \quad (g = r/(r-d) = 1,32, h = d/(r-d) = 0,32) \quad [1c]$$

