

$L^*/L_u^*$   
CIELAB

relative lightness  $L^*/L_u^*$   
normalized to the  
background lightness  $L_u^*$

$L_{CIELAB}^* = 116 (Y/Y_n)^{1/3} - 16 \quad (Y_n = 100, 0,89 \leq Y) \quad [2a]$

$L_{CIELAB}^* = 65,4 (Y/Y_u)^{1/3} - 16 \quad (Y_u = 18, 0,89 \leq Y) \quad [2b]$

