

log ( $L^*/L^*_u$ )  
 CIELAB

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

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

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

regularity index:  $g^*_5 = 88, g^*_9 = 74,$  [ISO 15775]

1 linearized real output:

equally spaced 9 steps in CIELAB

after contrast transfer  $C_Y = 25:1$  to  $2:1$

