

$L^*/L_u^*$   
CIELAB

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

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

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

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

linearized real output: 1.93 white

equally spaced 9 steps in CIELAB  
after contrast transfer  $C_Y=25:1$  to  $2:1$

$L^*_{\text{CIELAB},r}=1, m_u=1,02$

$L^*_{\text{CIELAB},u}=49, Y_u=18$

device white

device black

black

