

$\Delta Y / \Delta Y_u$  **CIELAB tristimulus value difference**  
 $\Delta Y$  normalized to  $\Delta Y_u$

$L^* = s(Y/Y_n)^n - d$  ( $Y_n=100, Y_u=18, s=116,0, n=1/3, d=16,0$ ) [1a]

$L^* = r(Y/Y_u)^n - d$  ( $r = s(Y_u/Y_n)^n = 65,49, L^*_u = r - d = 49,4$ ) [1b]

$dY = [Y_n / (n s)] (Y / Y_n)^{1-n}$  [2c]

$dY_u = [Y_n / (n s)] (Y_u / Y_n)^{1-n} = 1,4602$  [2d]

$dY / dY_u = (Y / Y_u)^{1-n}$  [2e]

