

$$(Y/\Delta Y) / (Y/\Delta Y)_u$$

HAULAB-Y contrast normalized to $(Y/\Delta Y)_u$

$$C_r/C_{ru} = (Y/\Delta Y) / (Y/\Delta Y)_u$$

$$L^* = s(Y/Y_u)^n - d \quad (Y_n=100, Y_u=28, s=153,7, n=0,31, d=53,7) \quad [1a]$$

$$L^* = r(Y/Y_u)^n - d \quad (r = s(Y_u/Y_n)^n = 90,34, L^*_u = r - d = 36,6) \quad [1b]$$

