$(\Delta Y/Y)$ and $(\Delta Y/Y) / (\Delta Y/Y)_u$	**LABJND-Y sensitivity normalized to $(\Delta Y/Y)_u$**

text lightness

$L^*/L^*_u = (t/a) \{ \ln (1 + a \cdot Y) - \ln (1 + a \cdot Y_u) \}$ **[1a]**

$L^*/L^*_u = (t/a) \{ \ln [1 + b \cdot (Y/Y_u)] - \ln (1 + b) \}$ **[1b]**

text relative lightness

tristimulus value Y sensitivity **[3c]**

text log(L^*/L^*u)

$(dY/Y)[((dY/Y_u)) / Y] / [(1 + a \cdot Y_u) / Y_u]$ **[3f]**

text ln(L^*/Lu)

text $L^*/L^*u = e^{**}x$

$(\Delta Y/Y)$ and $(\Delta Y/Y) / (\Delta Y/Y)_u$	**CIELAB-Y sensitivity normalized to $(\Delta Y/Y)_u$**

text lightness

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

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

text relative lightness

$dY / Y = [(Y_n/(n s)] (Y / Y_n)^{1-n} / Y$ **[3c]**

text log(L^*/L^*u)

$(dY / Y)_u = [(Y_n/(n s)] (Y_u / Y_n)^{1-n} / Y_u$ **[3d]**

text ln(L^*/Lu)

$(dY / Y) / (dY / Y)_u = (Y / Y_u)^{-n}$ **[3e]**

text $L^*/L^*u = e^{**}x$

$\log [(dY / Y) / (dY / Y)_u] = (-n) \log(Y / Y_u)$ **[3f]**

$(\Delta Y/Y)$ and $(\Delta Y/Y) / (\Delta Y/Y)_u$	**IECsRGB-Y sensitivity normalized to $(\Delta Y/Y)_u$**

text lightness

$L^* = s (Y/Y_n)^n - d$ $(Y_n=100, Y_u=18, s=100, n=1/2{,}4, d=0)$ **[1a]**

$L^* = r (Y/Y_n)^n - d$ $(r = s (Y_u/Y_n)^n = 48{,}94, L^*_u = r - d)$ **[1b]**

text relative lightness

$dY / Y = [(Y_n/(n s)] (Y / Y_n)^{1-n} / Y$ **[3c]**

text log(L^*/L^*u)

$(dY / Y)_u = [(Y_n/(n s)] (Y_u / Y_n)^{1-n} / Y_u$ **[3d]**

text ln(L^*/Lu)

$(dY / Y) / (dY / Y)_u = (Y / Y_u)^{-n}$ **[3e]**

text $L^*/L^*u = e^{**}x$

$\log [(dY / Y) / (dY / Y)_u] = (-n) \log(Y / Y_u)$ **[3f]**

$(\Delta Y/Y)$ and $(\Delta Y/Y) / (\Delta Y/Y)_u$	**TUBsRGB-Y sensitivity normalized to $(\Delta Y/Y)_u$**

text lightness

$L^* = s (Y/Y_n)^n - d$ $(Y_n=100, Y_u=18, s=100, n=1/\ln(10), d=0)$ **[1a]**

$L^* = r (Y/Y_n)^n - d$ $(r = s (Y_u/Y_n)^n = 47{,}48, L^*_u = r - d)$ **[1b]**

text relative lightness

$dY / Y = [(Y_n/(n s)] (Y / Y_n)^{1-n} / Y$ **[3c]**

text log(L^*/L^*u)

$(dY / Y)_u = [(Y_n/(n s)] (Y_u / Y_n)^{1-n} / Y_u$ **[3d]**

text ln(L^*/Lu)

$(dY / Y) / (dY / Y)_u = (Y / Y_u)^{-n}$ **[3e]**

text $L^*/L^*u = e^{**}x$

$\log [(dY / Y) / (dY / Y)_u] = (-n) \log(Y / Y_u)$ **[3f]**