$(\Delta Y/Y) / (\Delta Y/Y)_u$ LABJND-*Y*-Empfindlichkeit normiert für $(\Delta Y/Y)_u$

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

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

Hellbezugswert-*Y*-Empfindlichkeit

$$(dY/Y) / (dY_u/Y_u)$$

$$= [(1 + a \cdot Y) / Y] / [(1 + a \cdot Y_u) / Y_u] \quad [3f]$$

hgp01−1a

$(\Delta Y/Y) / (\Delta Y/Y)_u$ CIELAB-*Y*-Empfindlichkeit normiert für $(\Delta Y/Y)_u$

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

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

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

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

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

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

hgp01−2a

$(\Delta Y/Y) / (\Delta Y/Y)_u$ IECsRGB-*Y*-Empfindlichkeit normiert für $(\Delta Y/Y)_u$

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

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

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

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

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

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

hgp01−3a

$(\Delta Y/Y) / (\Delta Y/Y)_u$ TUBsRGB-*Y*-Empfindlichkeit normiert für $(\Delta Y/Y)_u$

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

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

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

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

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

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

hgp01−4a

hgp01−3n