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

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

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

Hellbezugswert-*Y* Kontrast

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

$$= [Y / (1 + a \cdot Y)] / [Y_u / (1 + a \cdot Y_u)] \quad [4h]$$

hgp01−5a

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

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

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

$$Y / dY = Y / \{ [(Y_n/ (n\ s)] (Y / Y_n)^{1-n} \} \quad [4c]$$

$$(Y / Y)_u = Y_u / \{ [(Y_n/ (n\ s)] (Y_u / Y_n)^{1-n} \} \quad [4d]$$

$$(Y / dY) / (Y / dY)_u = (Y / Y_u)^n \quad [4e]$$

$$\log [(Y / dY) / (Y / dY)_u] = (n) \log(Y / Y_u) \quad [4f]$$

hgp01−6a

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

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

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

$$Y / dY = Y / \{ [(Y_n/ (n\ s)] (Y / Y_n)^{1-n} \} \quad [4c]$$

$$(Y / Y)_u = Y_u / \{ [(Y_n/ (n\ s)] (Y_u / Y_n)^{1-n} \} \quad [4d]$$

$$(Y / dY) / (Y / dY)_u = (Y / Y_u)^n \quad [4e]$$

$$\log [(Y / dY) / (Y / dY)_u] = (n) \log(Y / Y_u) \quad [4f]$$

hgp01−7a

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

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

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

$$Y / dY = Y / \{ [(Y_n/ (n\ s)] (Y / Y_n)^{1-n} \} \quad [4c]$$

$$(Y / Y)_u = Y_u / \{ [(Y_n/ (n\ s)] (Y_u / Y_n)^{1-n} \} \quad [4d]$$

$$(Y / dY) / (Y / dY)_u = (Y / Y_u)^n \quad [4e]$$

$$\log [(Y / dY) / (Y / dY)_u] = (n) \log(Y / Y_u) \quad [4f]$$

hgp01−8a

hgp01−7n