

Beziehung CIELAB (L^* , a^* , b^*) und adaptiertes (a) CIELAB ($C^*_{ab,a}$, L^*)
System: ORS18a

$$L^*_{lab^*} = (L^* - L^*_N) / (L^*_W - L^*_N)$$

$$a^*_{lab^*} = a^* - a^*_N - L^*_{lab^*} [a^*_W - a^*_N]$$

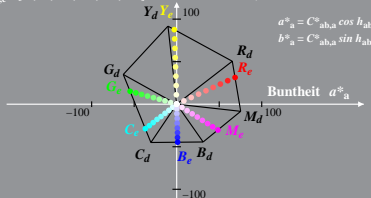
$$b^*_{lab^*} = b^* - b^*_N - L^*_{lab^*} [b^*_W - b^*_N]$$

$$C^*_{ab,a} = [a^{*2}_{lab^*} + b^{*2}_{lab^*}]^{1/2}$$

CIELAB-Bunttonwinkel:

$h_{ab,d} = [37, 96, 150, 236, 305, 353]$

$h_{ab,e} = [26, 92, 162, 217, 272, 329]$



SG270-3N

Beziehung CIELAB (L^* , a^* , b^*) und adaptiertes (a) CIELAB ($C^*_{ab,a}$, L^*)
System: FRS06a

$$L^*_{lab^*} = (L^* - L^*_N) / (L^*_W - L^*_N)$$

$$a^*_{lab^*} = a^* - a^*_N - L^*_{lab^*} [a^*_W - a^*_N]$$

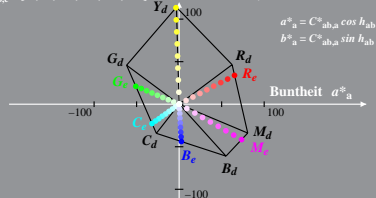
$$b^*_{lab^*} = b^* - b^*_N - L^*_{lab^*} [b^*_W - b^*_N]$$

$$C^*_{ab,a} = [a^{*2}_{lab^*} + b^{*2}_{lab^*}]^{1/2}$$

CIELAB-Bunttonwinkel:

$h_{ab,d} = [36, 91, 143, 231, 312, 337]$

$h_{ab,e} = [26, 92, 162, 217, 272, 329]$



SG271-3N

Beziehung CIELAB (L^* , a^* , b^*) und adaptiertes (a) CIELAB ($C^*_{ab,a}$, L^*)
System: TLS00a

$$L^*_{lab^*} = (L^* - L^*_N) / (L^*_W - L^*_N)$$

$$a^*_{lab^*} = a^* - a^*_N - L^*_{lab^*} [a^*_W - a^*_N]$$

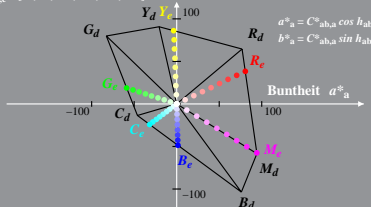
$$b^*_{lab^*} = b^* - b^*_N - L^*_{lab^*} [b^*_W - b^*_N]$$

$$C^*_{ab,a} = [a^{*2}_{lab^*} + b^{*2}_{lab^*}]^{1/2}$$

CIELAB-Bunttonwinkel:

$h_{ab,d} = [40, 102, 136, 196, 306, 328]$

$h_{ab,e} = [26, 92, 162, 217, 272, 329]$



SG270-7N

Beziehung CIELAB (L^* , a^* , b^*) und adaptiertes (a) CIELAB ($C^*_{ab,a}$, L^*)
System: TSL18a

$$L^*_{lab^*} = (L^* - L^*_N) / (L^*_W - L^*_N)$$

$$a^*_{lab^*} = a^* - a^*_N - L^*_{lab^*} [a^*_W - a^*_N]$$

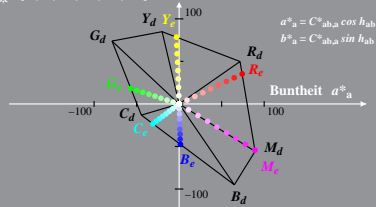
$$b^*_{lab^*} = b^* - b^*_N - L^*_{lab^*} [b^*_W - b^*_N]$$

$$C^*_{ab,a} = [a^{*2}_{lab^*} + b^{*2}_{lab^*}]^{1/2}$$

CIELAB-Bunttonwinkel:

$h_{ab,d} = [34, 103, 136, 196, 304, 328]$

$h_{ab,e} = [26, 92, 162, 217, 272, 329]$



SG271-7N

TUB-Prüfvorlage SG27; 4 Gerätsysteme, CIE Elementar-Buntton-Daten im CIELAB-Buntheitsdiagramm (a^* , b^*)

Eingabe: w/rgb/cmyk -> w/rgb/cmyk
Ausgabe: keine Änderung