

Linear relation CIELAB (L^* , a^* , b^*) and adapted (a) CIELAB ($C^*_{ab,a}$, L^*)
Offset Reflective System: ORS18a

CIELAB hue angles RYGBCM:

$h_{ab,d} = [37, 96, 150, 236, 305, 353]$
 $h_{ab,e} = [26, 92, 162, 217, 272, 329]$

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

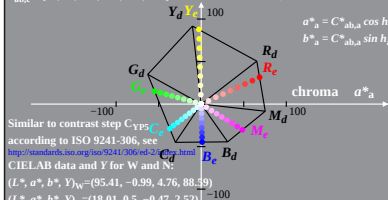
$$a^*_a = a^* - a^*_N - L^*_{lab,*} [a^*_W - a^*_N]$$

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

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

$$a^*_a = C^*_{ab,a} \cos h_{ab}$$

$$b^*_a = C^*_{ab,a} \sin h_{ab}$$



AEY30-3N

Linear relation CIELAB (L^* , a^* , b^*) and adapted (a) CIELAB ($C^*_{ab,a}$, L^*)
Television Luminous System: TLS00a

CIELAB hue angles RYGBCM:

$h_{ab,d} = [40, 102, 136, 196, 306, 328]$
 $h_{ab,e} = [26, 92, 162, 217, 272, 329]$

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

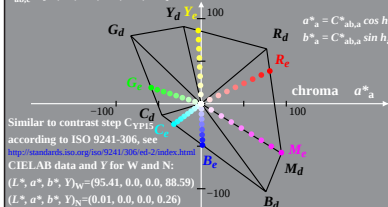
$$a^*_a = a^*$$

$$b^*_a = b^*$$

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

$$a^*_a = C^*_{ab,a} \cos h_{ab}$$

$$b^*_a = C^*_{ab,a} \sin h_{ab}$$



AEY30-7N

Linear relation CIELAB (L^* , a^* , b^*) and adapted (a) CIELAB ($C^*_{ab,a}$, L^*)
Photo Reflective System: FRS06a

CIELAB hue angles RYGBCM:

$h_{ab,d} = [36, 91, 143, 231, 312, 337]$
 $h_{ab,e} = [26, 92, 162, 217, 272, 329]$

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

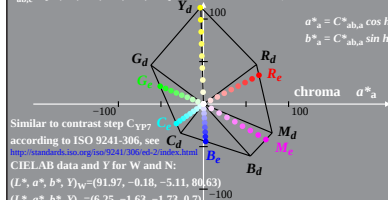
$$a^*_a = a^* - a^*_N - L^*_{lab,*} [a^*_W - a^*_N]$$

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

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

$$a^*_a = C^*_{ab,a} \cos h_{ab}$$

$$b^*_a = C^*_{ab,a} \sin h_{ab}$$



AEY31-3N

Linear relation CIELAB (L^* , a^* , b^*) and adapted (a) CIELAB ($C^*_{ab,a}$, L^*)
Television Luminous System: TLS18a

CIELAB hue angles RYGBCM:

$h_{ab,d} = [34, 103, 136, 196, 304, 328]$
 $h_{ab,e} = [26, 92, 162, 217, 272, 329]$

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

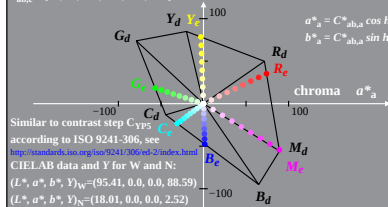
$$a^*_a = a^*$$

$$b^*_a = b^*$$

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

$$a^*_a = C^*_{ab,a} \cos h_{ab}$$

$$b^*_a = C^*_{ab,a} \sin h_{ab}$$



AEY31-7N

TUB-test chart AEY3; ORS18a, TLS00a, FRS06a, TLS18a
and CIE elementary hue data in CIELAB diagram (a^* , b^*)

input: w/rgb/cmyk -> rgb
output: no change