

Adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^*_{lab*} , l^*_{lab*})

System: HE89_FRS09_92_D65_00%_O0

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

CIELAB hue angles:

$h_{ab,d} = [35, 92, 143, 224, 313, 338]$

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

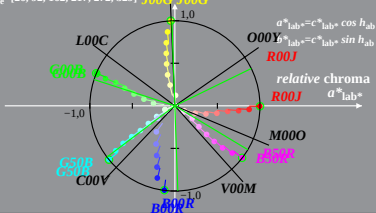
$h_{ab,e} = [26, 92, 162, 217, 272, 329]$

b^*_{lab*}
Y00L

$$c^*_{lab*} = C^*_{ab,a} / C^*_{ab,a,M}$$

M=Maximum colour

J00G J00G



HE891-8A, 1; cf1=0.70; nt=0.18; nx=1.0

Adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^*_{lab*} , l^*_{lab*})
 System: HE89_FRS09_92_D65_00%_O1

CIELAB hue angles:

$h_{ab,d}=[35, 92, 143, 224, 313, 338]$

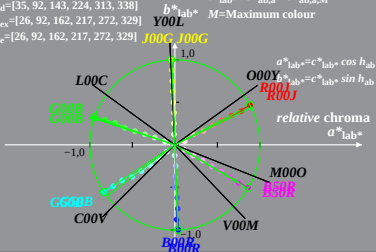
$h_{ab,ex}=[26, 92, 162, 217, 272, 329]$

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

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

$$c^*_{lab*} = C^*_{ab,a} / C^*_{ab,a,M}$$

M=Maximum colour



Adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^*_{lab*} , l^*_{lab*})

System: HE89_FRS09_92_D65_25%_O0

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

CIELAB hue angles:

$h_{ab,d} = [35, 92, 143, 224, 313, 338]$

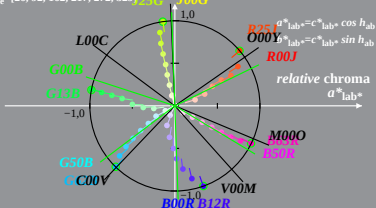
$h_{ab,ex} = [42, 109, 175, 230, 286, 343]$ **Y00L**

$$c^*_{lab*} = C^*_{ab,a} / C^*_{ab,a,M}$$

M=Maximum colour

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

25G J00G



Adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^*_{lab*} , l^*_{lab*})

System: HE89_FRS09_92_D65_25%_O1

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

CIELAB hue angles:

$h_{ab,d} = [35, 92, 143, 224, 313, 338]$

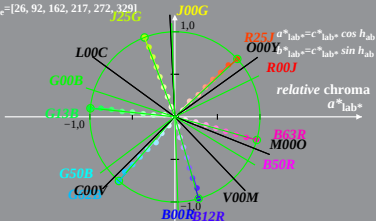
$h_{ab,ex} = [42, 109, 175, 230, 286, 343]$

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

b^*_{lab*}
Y00L

$$c^*_{lab*} = C^*_{ab,a} / C^*_{ab,a,M}$$

M=Maximum colour



Adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^*_{lab*} , l^*_{lab*})

System: HE89_FRS09_92_D65_50%_O0

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

CIELAB hue angles:

$h_{ab,d} = [35, 92, 143, 224, 313, 338]$

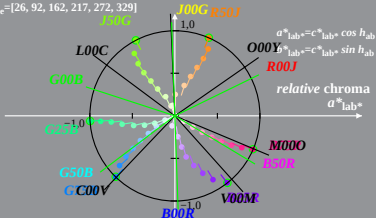
$h_{ab,ex} = [59, 127, 189, 244, 300, 357]$

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

b^*_{lab*}
Y00L

$$c^*_{lab*} = C^*_{ab,a} / C^*_{ab,a,M}$$

M=Maximum colour



Adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^*_{lab*} , l^*_{lab*})

System: HE89_FRS09_92_D65_50%_O1

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

CIELAB hue angles:

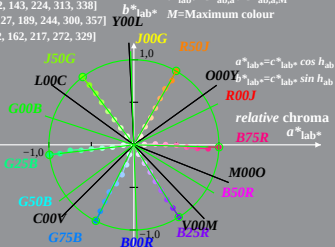
$h_{ab,d} = [35, 92, 143, 224, 313, 338]$

$h_{ab,ex} = [59, 127, 189, 244, 300, 357]$ **Y00L**

$$c^*_{lab*} = C^*_{ab,a} / C^*_{ab,a,M}$$

M=Maximum colour

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



Adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^*_{lab*} , l^*_{lab*})

System: HE89_FRS09_92_D65_75%_O0

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

CIELAB hue angles:

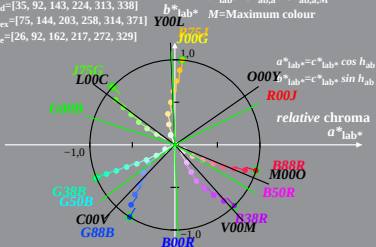
$h_{ab,d} = [35, 92, 143, 224, 313, 338]$

$h_{ab,ex} = [75, 144, 203, 258, 314, 371]$

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

$$c^*_{lab*} = C^*_{ab,a} / C^*_{ab,a,M}$$

M=Maximum colour



Adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^*_{lab*} , l^*_{lab*})
 System: HE89_FRS09_92_D65_75%_O1

CIELAB hue angles:

$h_{ab,d}=[35, 92, 143, 224, 313, 338]$

$h_{ab,ex}=[75, 144, 203, 258, 314, 371]$ **Y00L**

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

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

$$c^*_{lab*} = C^*_{ab,a} / C^*_{ab,a,M}$$

M=Maximum colour

