

Linear relation *adapted* (a) CIELAB ( $C^*_{ab,a}, L^*$ ) and *relative* CIELAB ( $c^*, t^*$ )  
 System: HE82\_HRS16\_96\_D65\_00%\_O0

CIELAB hue angles:

$h_{ab,d}=[32, 99, 151, 233, 300, 349]$

$h_{ab,ex}=[26, 92, 162, 217, 272, 329]$  **Y00L**

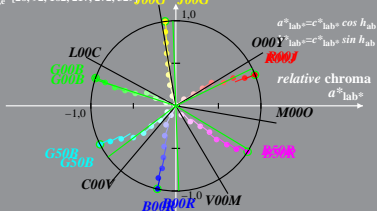
$h_{ab,e}=[26, 92, 162, 217, 272, 329]$  **Y00G J00G**

$$l^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$$

$$t^*_{lab^*} = l^*_{lab^*} - c^*_{lab^*} [l^*_M - 0,5]$$

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

M=Maximum colour



Linear relation *adapted* (a) CIELAB ( $C^*_{ab,a}, L^*$ ) and *relative* CIELAB ( $c^*, t^*$ )  
 System: HE82\_HRS16\_96\_D65\_00%\_O1

CIELAB hue angles:

$h_{ab,d}=[32, 99, 151, 233, 300, 349]$

$h_{ab,ex}=[26, 92, 162, 217, 272, 329]$  **Y00L**

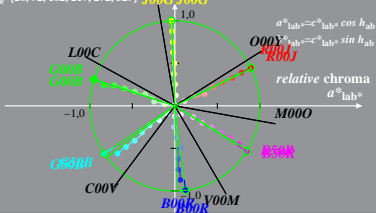
$h_{ab,e}=[26, 92, 162, 217, 272, 329]$  **J00G J00G**

$$l^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$$

$$t^*_{lab^*} = l^*_{lab^*} - c^*_{lab^*} [l^*_M - 0,5]$$

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

M=Maximum colour



Linear relation *adapted* (a) CIELAB ( $C^*_{ab,a}, L^*$ ) and *relative* CIELAB ( $c^*, t^*$ )  
 System: HE82\_HRS16\_96\_D65\_25%\_O0

CIELAB hue angles:

$h_{ab,d}=[32, 99, 151, 233, 300, 349]$

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

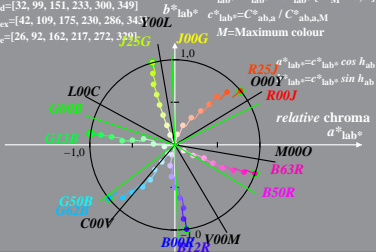
$h_{ab,e}=[26, 92, 162, 217, 272, 329]$

$$l^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$$

$$t^*_{lab^*} = l^*_{lab^*} - c^*_{lab^*} [l^*_M - 0,5]$$

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

M=Maximum colour



Linear relation *adapted* (a) CIELAB ( $C^*_{ab,a}, L^*$ ) and *relative* CIELAB ( $c^*, t^*$ )  
 System: HE82\_HRS16\_96\_D65\_25%\_O1

CIELAB hue angles:

$h_{ab,d}=[32, 99, 151, 233, 300, 349]$

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

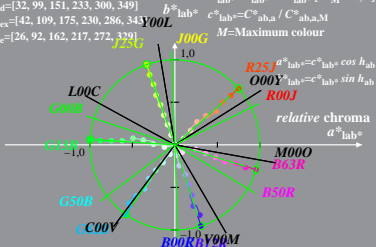
$h_{ab,e}=[26, 92, 162, 217, 272, 329]$

$$l^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$$

$$t^*_{lab^*} = l^*_{lab^*} - c^*_{lab^*} [l^*_M - 0,5]$$

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

M=Maximum colour



Linear relation *adapted* (a) CIELAB ( $C^*_{ab,a}, L^*$ ) and *relative* CIELAB ( $c^*, t^*$ )  
 System: HE82\_HRS16\_96\_D65\_50%\_O0

CIELAB hue angles:

$h_{ab,d}=[32, 99, 151, 233, 300, 349]$

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

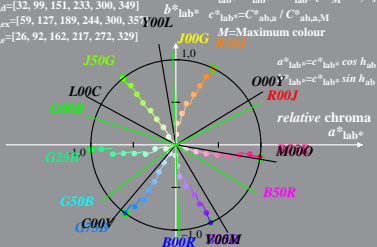
$h_{ab,e}=[26, 92, 162, 217, 272, 329]$

$$l^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$$

$$t^*_{lab^*} = l^*_{lab^*} - c^*_{lab^*} [l^*_M - 0,5]$$

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

$M = \text{Maximum colour}$



Linear relation *adapted* (a) CIELAB ( $C^*_{ab,a}, L^*$ ) and *relative* CIELAB ( $c^*, t^*$ )  
 System: HE82\_HRS16\_96\_D65\_50%\_O1

CIELAB hue angles:

$h_{ab,d}=[32, 99, 151, 233, 300, 349]$

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

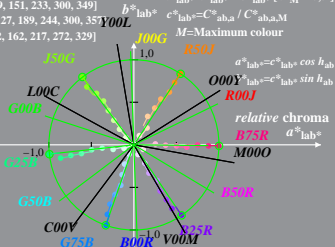
$h_{ab,e}=[26, 92, 162, 217, 272, 329]$

$$l^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$$

$$t^*_{lab^*} = l^*_{lab^*} - c^*_{lab^*} [l^*_M - 0,5]$$

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

M=Maximum colour



Linear relation *adapted* (a) CIELAB ( $C^*_{ab,a}, L^*$ ) and *relative* CIELAB ( $c^*, t^*$ )  
 System: HE82\_HRS16\_96\_D65\_75%\_O0

CIELAB hue angles:

$h_{ab,d}=[32, 99, 151, 233, 300, 349]$

$h_{ab,ex}=[75, 144, 203, 258, 314, 370]$

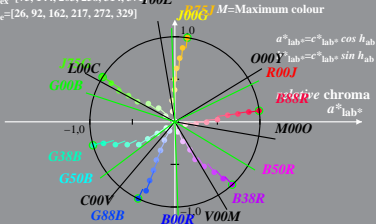
$h_{ab,e}=[26, 92, 162, 217, 272, 329]$

$$l^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$$

$$t^*_{lab^*} = l^*_{lab^*} - c^*_{lab^*} [l^*_M - 0,5]$$

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

$M = \text{Maximum colour}$



Linear relation *adapted* (a) CIELAB ( $C^*_{ab,a}, L^*$ ) and *relative* CIELAB ( $c^*, t^*$ )  
 System: HE82\_HRS16\_96\_D65\_75%\_O1

CIELAB hue angles:

$h_{ab,d}=[32, 99, 151, 233, 300, 349]$

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

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

$$l^*_M = (L^*_M - L^*_N) / (L^*_W - L^*_N)$$

$$t^*_{lab^*} = l^*_{lab^*} - c^*_{lab^*} [l^*_M - 0,5]$$

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

$M$  = Maximum colour

