

Linear relation adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^* , t^*)
 LE47_LCD projector_1 0%_Fadin

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

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

CIELAB hue angles:

$$h_{ab,d} = [38, 96, 151, 236, 305, 354]$$

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

$$b^*_{lab}$$

$$c^*_{lab}$$

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

M =Maximum colour

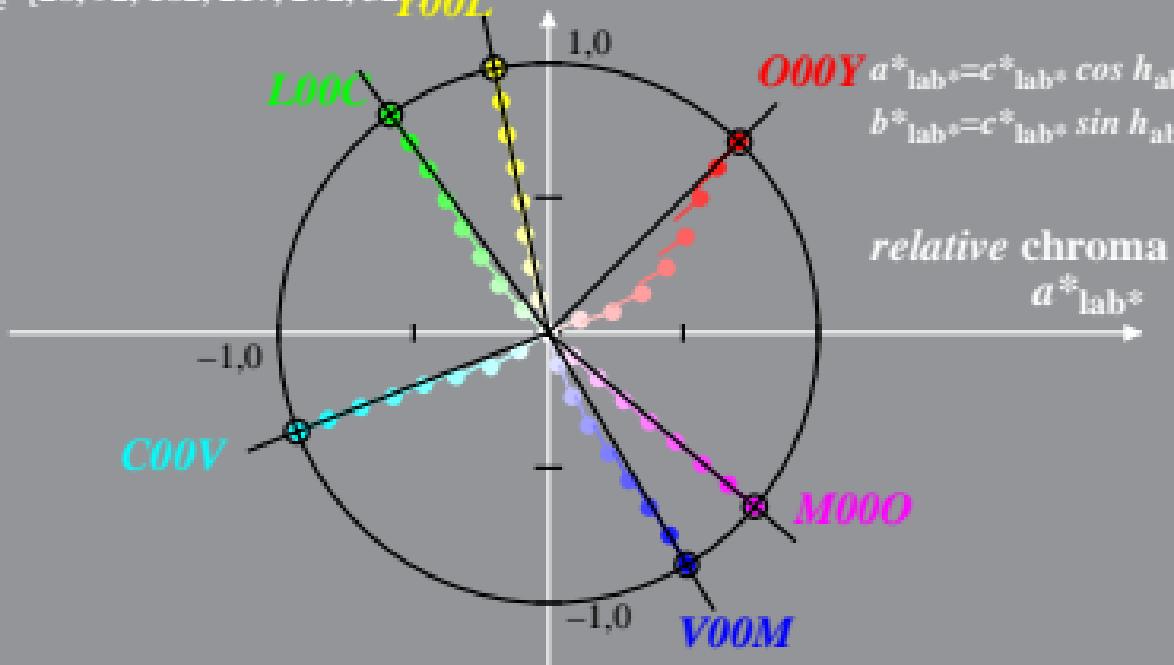
Y00L

O00Y

relative chroma

$$a^*_{lab}$$

$$b^*_{lab} = c^*_{lab} \sin h_{ab}$$



Linear relation adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^* , t^*)
 LE47_LCD projector_1 0%_Fadit

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

M =Maximum colour

Y00L

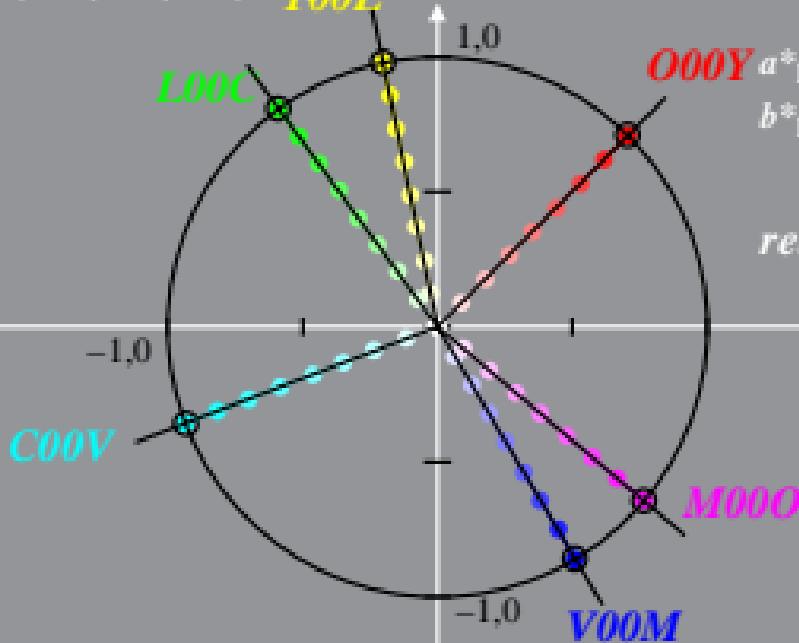
O00Y

$$a^*_{lab} = c^*_{lab} \cos h_{ab}$$

$$b^*_{lab} = c^*_{lab} \sin h_{ab}$$

relative chroma

$$a^*_{lab}$$



Linear relation adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^* , t^*)
 LE47_LCD projector_1 0,6%_Fadin

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

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

CIELAB hue angles:

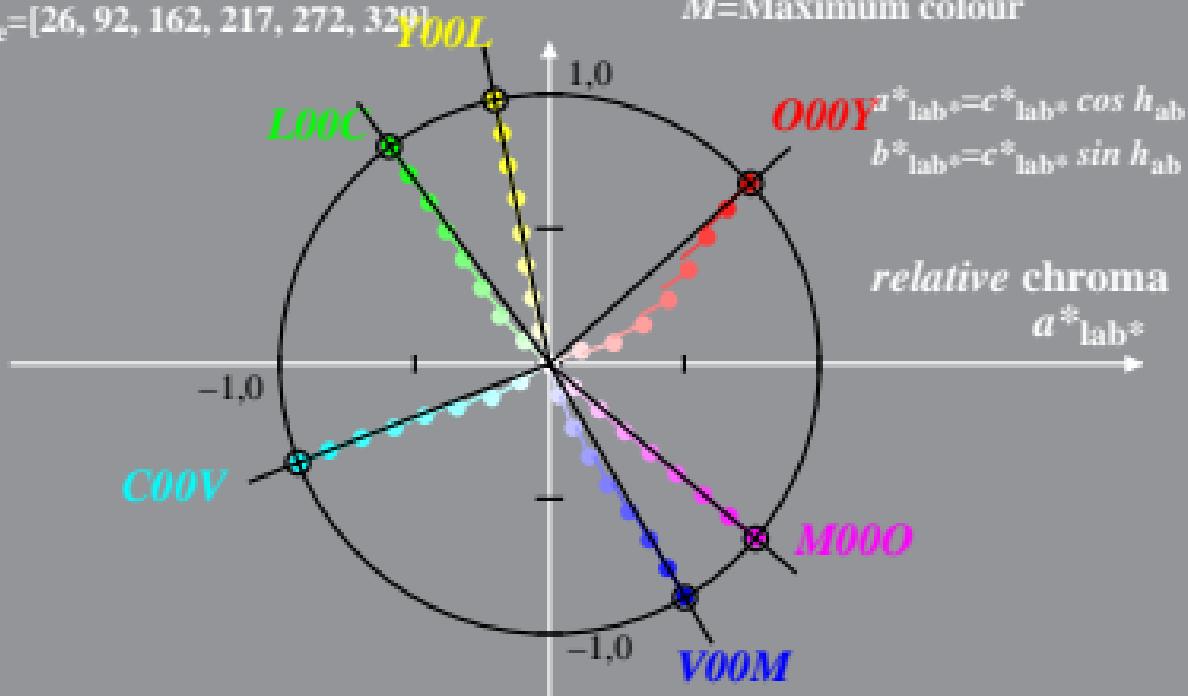
$$h_{ab,d} = [38, 96, 151, 236, 305, 354]$$

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

$$b^*_{lab}$$

$$c^*_{lab}$$

M =Maximum colour



relative chroma

$$a^*_{lab}$$

Linear relation adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^* , t^*)
 LE47_LCD projector_1 0,6%_Fadit

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

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

CIELAB hue angles:

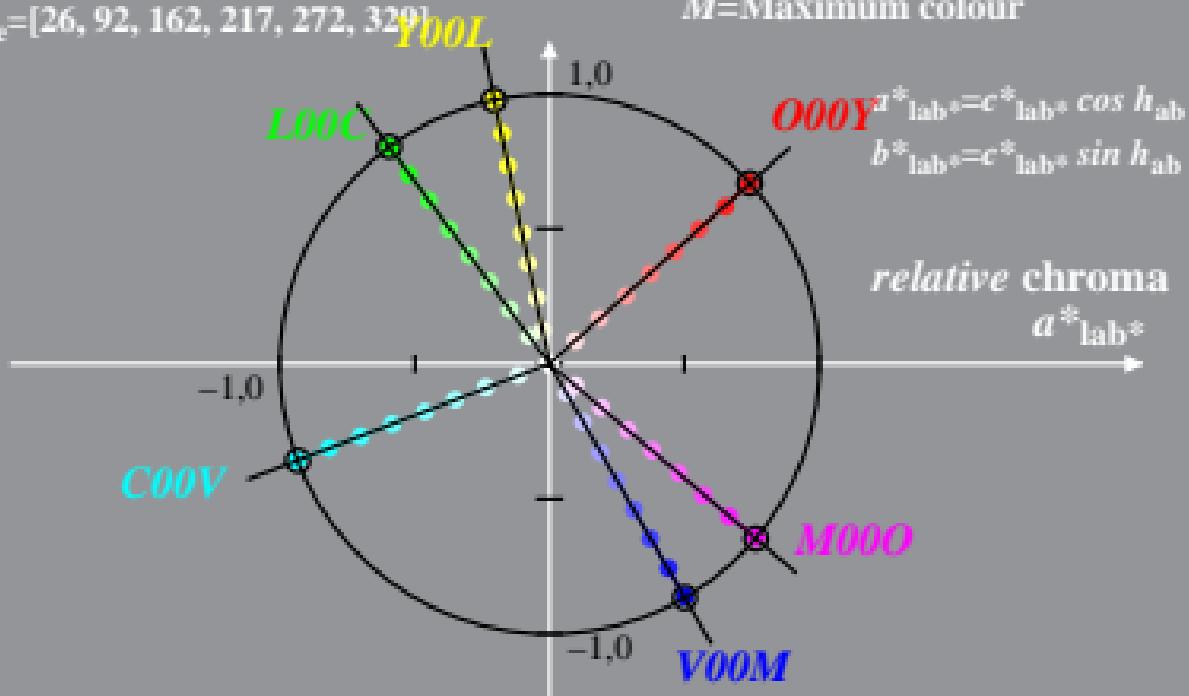
$$h_{ab,d} = [38, 96, 151, 236, 305, 354]$$

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

$$b^*_{lab}$$

$$c^*_{lab}$$

M =Maximum colour



Linear relation adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^* , t^*)
 LE47_LCD projector_1 1,2%_Fadin

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

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

CIELAB hue angles:

$$h_{ab,d} = [38, 96, 151, 236, 305, 354]$$

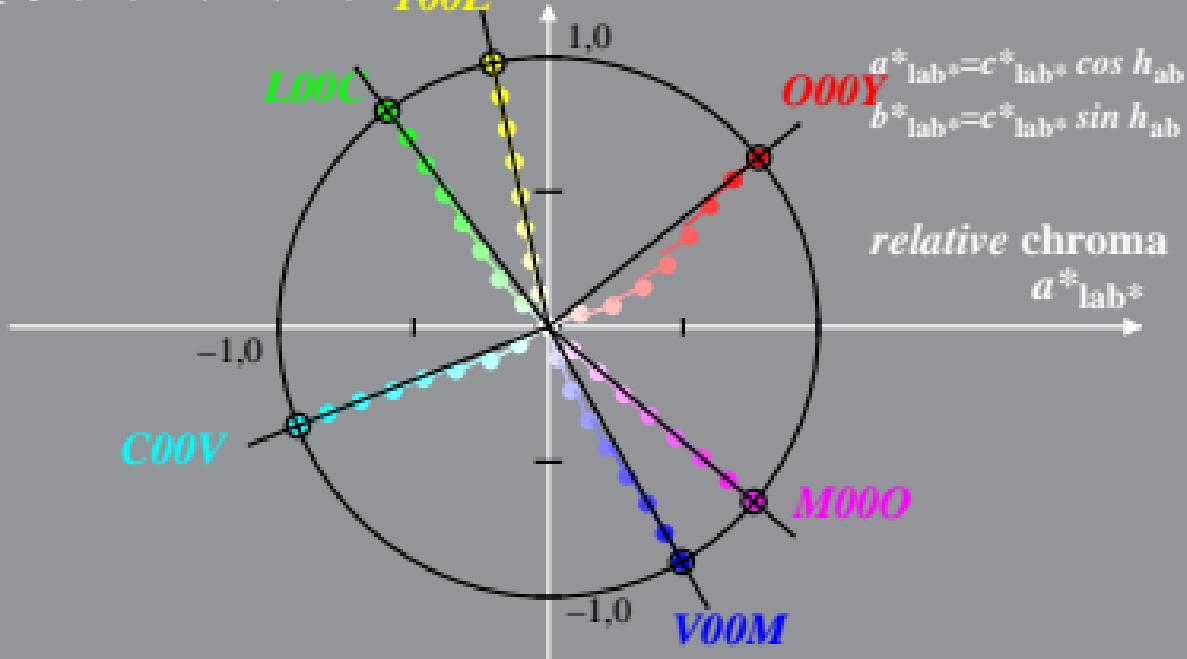
$$h_{ab,e} = [26, 92, 162, 217, 272, 329]$$

$$b^*_{lab}$$

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

M =Maximum colour

$Y00L$



relative chroma

$$a^*_{lab}$$

Linear relation adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^* , t^*)
 LE47_LCD projector_1 1,2%_Fadit

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

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

CIELAB hue angles:

$$h_{ab,d} = [38, 96, 151, 236, 305, 354]$$

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

$$b^*_{lab}$$

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

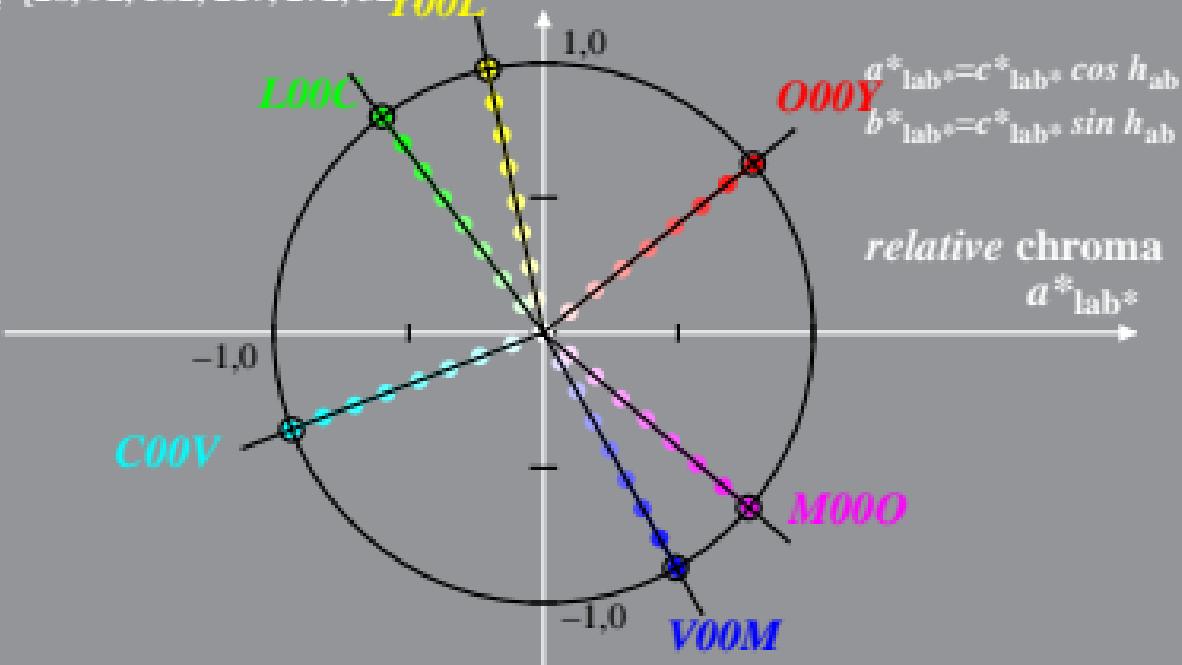
M =Maximum colour

$Y00L$

$O00Y$

relative chroma

$$a^*_{lab}$$



$M00O$

$V00M$

Linear relation adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^* , t^*)
 LE47_LCD projector_1 2,5%_Fadin

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

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

CIELAB hue angles:

$$h_{ab,d} = [38, 96, 151, 236, 305, 354]$$

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

$$b^*_{lab}$$

$$c^*_{lab}$$

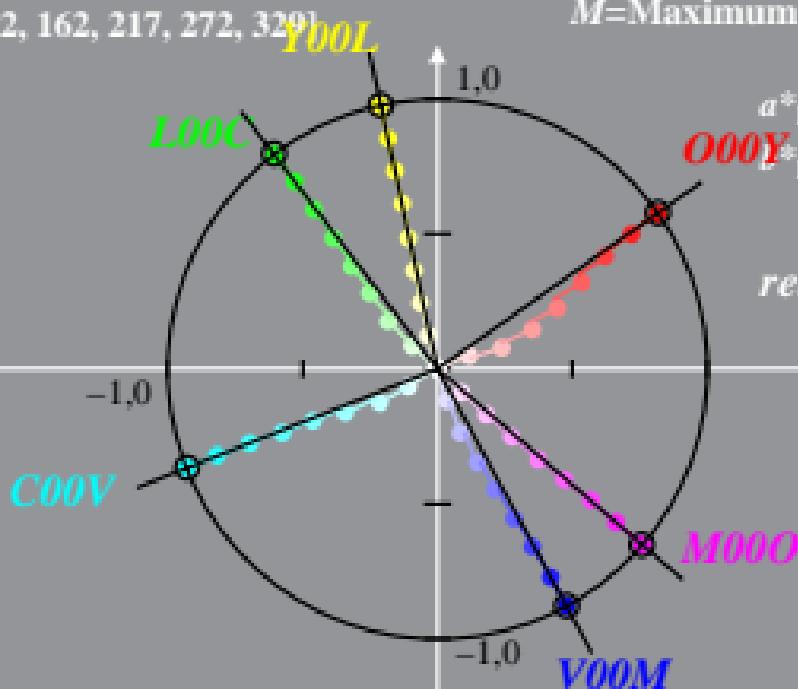
M =Maximum colour

$$a^*_{lab} = c^*_{lab} \cos h_{ab}$$

$$Y^*_{lab} = c^*_{lab} \sin h_{ab}$$

relative chroma

$$a^*_{lab}$$



Linear relation adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^* , t^*)
 LE47_LCD projector_1 2,5%_Fadit

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

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

CIELAB hue angles:

$$h_{ab,d} = [38, 96, 151, 236, 305, 354]$$

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

$$b^*_{lab}$$

$$c^*_{lab}$$

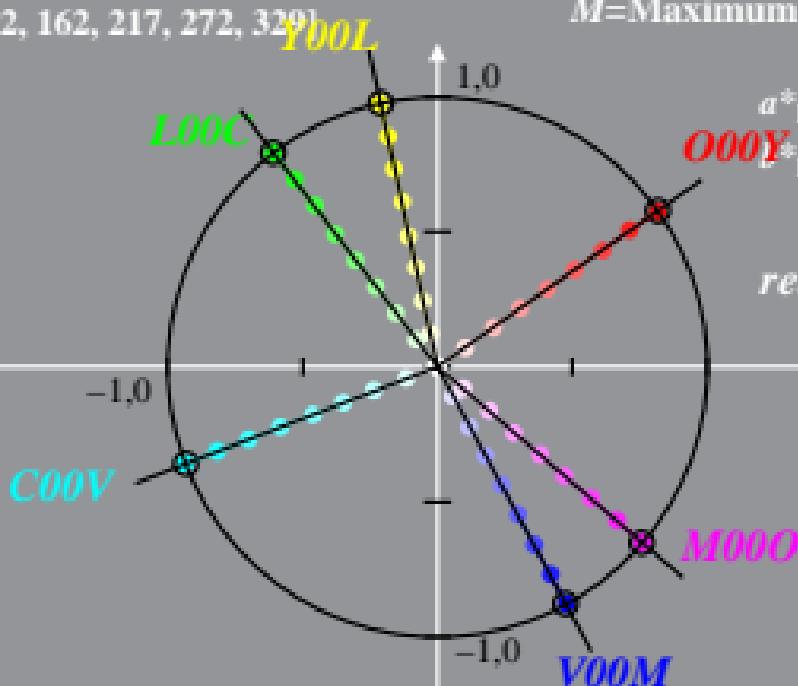
M =Maximum colour

$$a^*_{lab} = c^*_{lab} \cos h_{ab}$$

$$Y^*_{lab} = c^*_{lab} \sin h_{ab}$$

relative chroma

$$a^*_{lab}$$



Linear relation adapted (a) CIELAB ($C^*_{ab,a}, L^*$) and relative CIELAB (c^*, t^*)
 LE47_LCD projector_1 5%_Fadin

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

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

CIELAB hue angles:

$$h_{ab,d} = [38, 96, 151, 236, 305, 354]$$

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

$$b^*_{lab*}$$

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

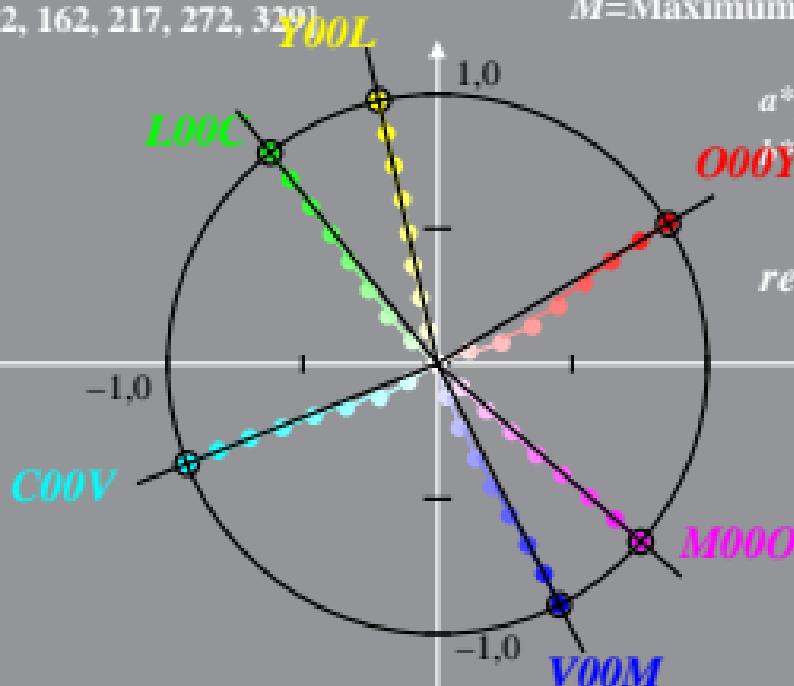
M =Maximum colour

$$a^*_{lab*} = c^*_{lab*} \cos h_{ab}$$

$$b^*_{lab*} = c^*_{lab*} \sin h_{ab}$$

relative chroma

$$a^*_{lab*}$$



Linear relation adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^* , t^*)
LE47_LCD projector_1 5%_Fadit

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

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

CIELAB hue angles:

$$h_{ab,d} = [38, 96, 151, 236, 305, 354]$$

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

$$b^*_{lab}$$

$$c^*_{lab}$$

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

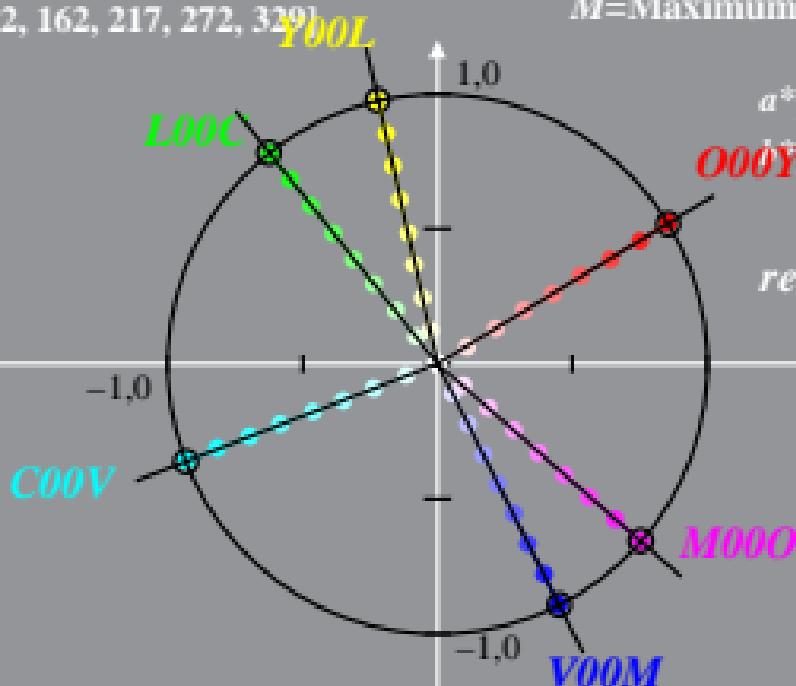
M =Maximum colour

$$a^*_{lab} = c^*_{lab} \cos h_{ab}$$

$$b^*_{lab} = c^*_{lab} \sin h_{ab}$$

relative chroma

$$a^*_{lab}$$



Linear relation adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^* , t^*)
LE47_LCD projector_1 10%_Fadin

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

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

CIELAB hue angles:

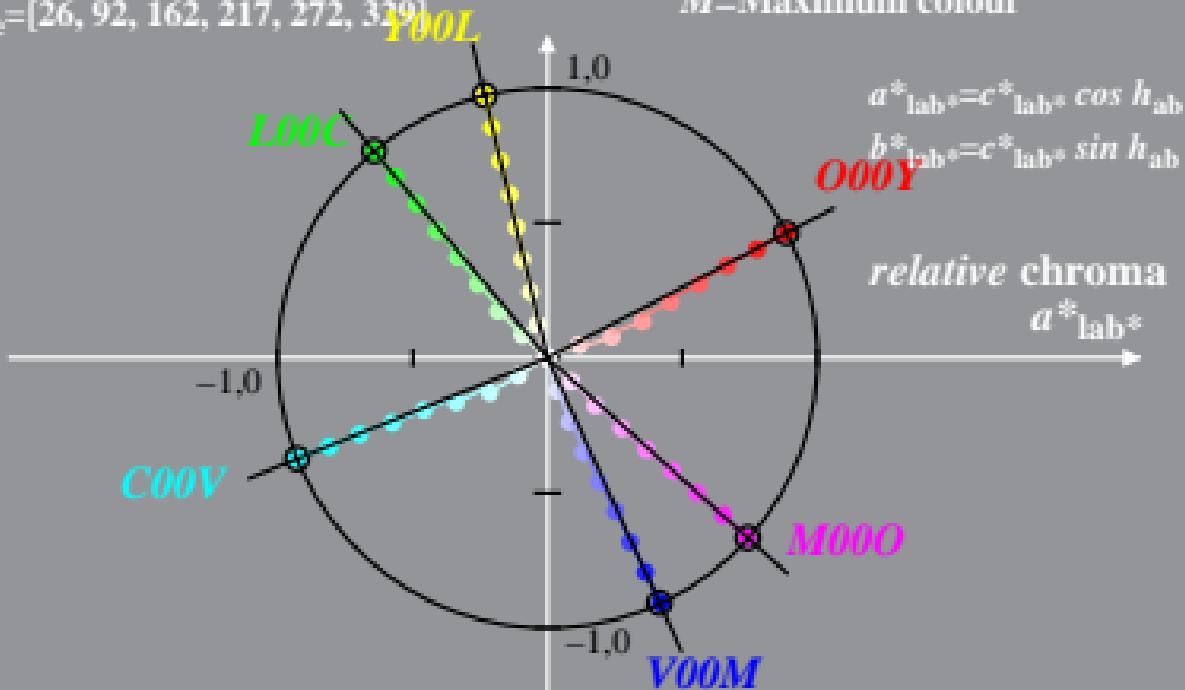
$$h_{ab,d} = [38, 96, 151, 236, 305, 354]$$

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

$$b^*_{lab}$$

$$c^*_{lab}$$

M =Maximum colour



Linear relation adapted (a) CIELAB ($C^*_{ab,a}, L^*$) and relative CIELAB (c^*, t^*)
 LE47_LCD projector_1 10%_Fadit

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

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

CIELAB hue angles:

$$h_{ab,d} = [38, 96, 151, 236, 305, 354]$$

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

$$b^*_{lab}$$

$$c^*_{lab}$$

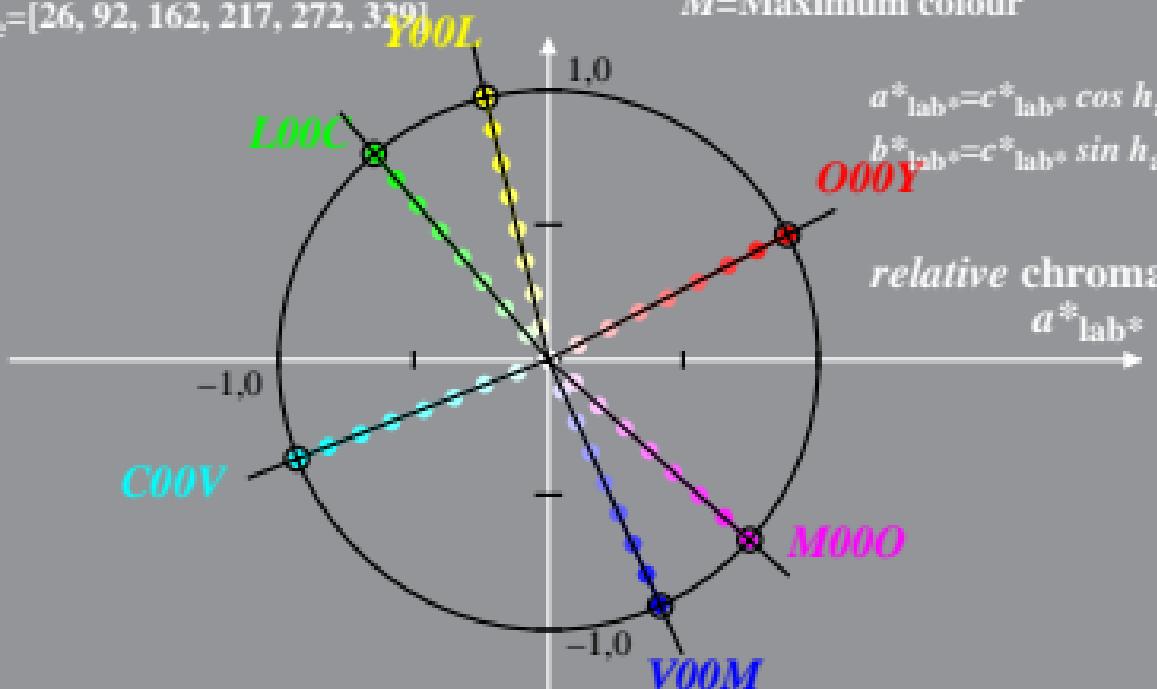
M =Maximum colour

$$a^*_{lab} = c^*_{lab} \cos h_{ab}$$

$$O00Y$$

relative chroma

$$a^*_{lab}$$



Linear relation adapted (a) CIELAB ($C^*_{ab,a}, L^*$) and relative CIELAB (c^*, t^*)
 LE47_LCD projector_1 20%_Fadin

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

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

CIELAB hue angles:

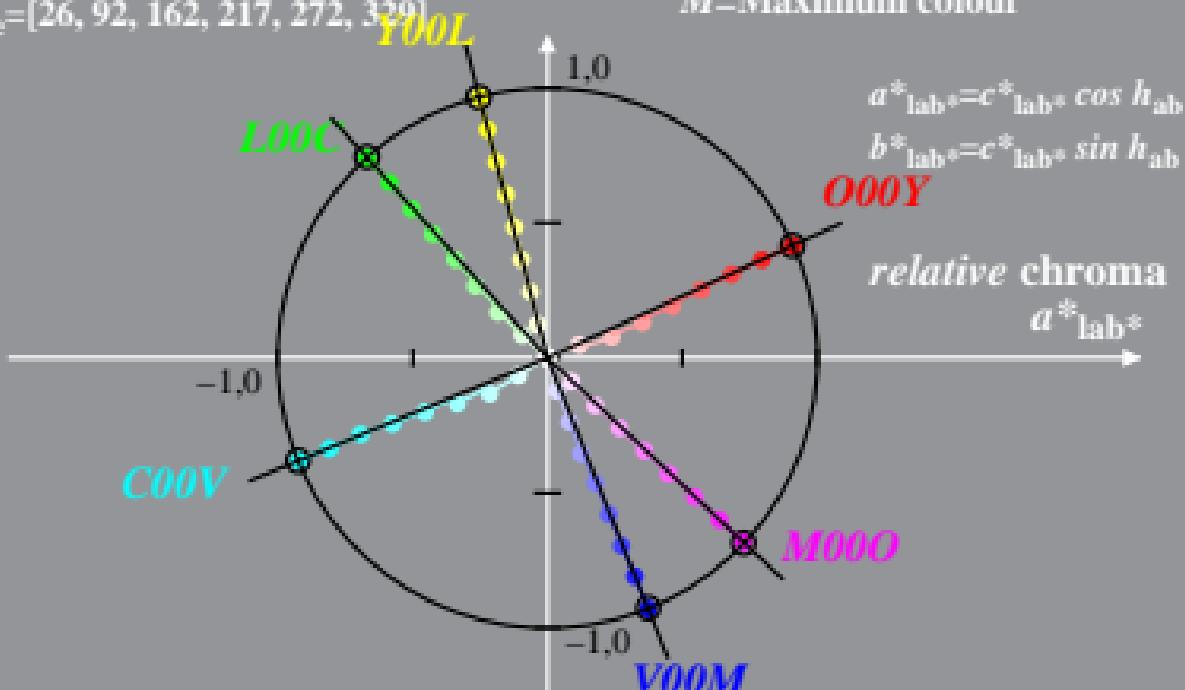
$$h_{ab,d} = [38, 96, 151, 236, 305, 354]$$

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

$$b^*_{lab*}$$

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

M =Maximum colour



Linear relation adapted (a) CIELAB ($C^*_{ab,a}, L^*$) and relative CIELAB (c^*, t^*)
 LE47_LCD projector_1 20%_Fadit

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

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

CIELAB hue angles:

$$h_{ab,d} = [38, 96, 151, 236, 305, 354]$$

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

$$b^*_{lab*}$$

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

M =Maximum colour

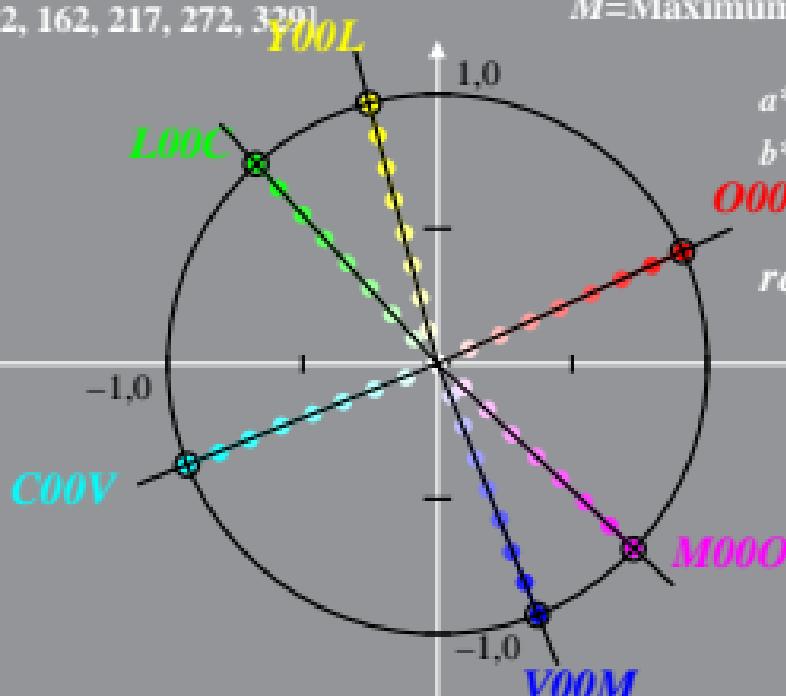
$$a^*_{lab*} = c^*_{lab*} \cos h_{ab}$$

$$b^*_{lab*} = c^*_{lab*} \sin h_{ab}$$

$O00Y$

relative chroma

$$a^*_{lab*}$$



Linear relation adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^* , t^*)
LE47_LCD projector_1 40%_Fadin

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

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

CIELAB hue angles:

$$h_{ab,d} = [38, 96, 151, 236, 305, 354]$$

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

$$b^*_{lab}$$

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

M =Maximum colour

Y00L

$$a^*_{lab} = c^*_{lab} \cos h_{ab}$$

$$b^*_{lab} = c^*_{lab} \sin h_{ab}$$

O00Y

relative chroma

$$a^*_{lab}$$

-1,0

C00V

-1,0

V00M

Linear relation adapted (a) CIELAB ($C^*_{ab,a}$, L^*) and relative CIELAB (c^* , t^*)
 LE47_LCD projector_1 40%_Fadit

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

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$$h_{ab,d} = [38, 96, 151, 236, 305, 354]$$

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

$$b^*_{lab}$$

$$c^*_{lab}$$

M =Maximum colour

$$a^*_{lab} = c^*_{lab} \cos h_{ab}$$

$$b^*_{lab} = c^*_{lab} \sin h_{ab}$$

$O00Y$

relative chroma

$$a^*_{lab}$$

