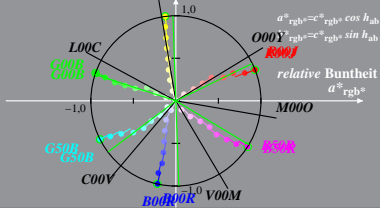


Beziehung rgb^* und *relative* Buntheit $c^*_{rgb^*}$ oder Buntheit $a^*_{rgb^*}$, $b^*_{rgb^*}$
 System: HG82_HRS16_96_D65_00%_O0

Ergebnis: $c^*_{rgb^*} = e^*_{lab^*}$; $i^*_{rgb^*} = i^*_{lab^*}$
 $c^*_{rgb^*} = \max(rgb^*) - \min(rgb^*)$

$h_{ab,d} = [32, 99, 151, 233, 300, 349]$
 $h_{ab,ex} = [26, 92, 162, 217, 272, 329]$ **Y00L**
 $h_{ab,e} = [26, 92, 162, 217, 272, 329]$ **Y00G** **J00G**
 $i^*_{rgb^*} = w^* + 0,5 c^*_{rgb^*}$

$b^*_{rgb^*}$
 $w^* = \min(rgb^*) = 1 - d^*$
 $a^*_{rgb^*} = c^*_{rgb^*} \cos h_{ab}$
 $O00Y^*_{rgb^*} = c^*_{rgb^*} \sin h_{ab}$
relative Buntheit $a^*_{rgb^*}$



Beziehung rgb^* und relative Buntheit $c^*_{rgb^*}$ oder Buntheit $a^*_{rgb^*}, b^*_{rgb^*}$
 System: HG82_HRS16_96_D65_00%_OI

Ergebnis: $c^*_{rgb^*} = c^*_{lab^*}; i^*_{rgb^*} = i^*_{lab^*}$

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

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

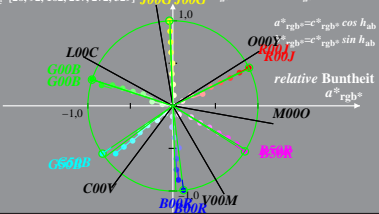
$h_{ab,e} = [26, 92, 162, 217, 272, 329]$ **J00G J00G**

$$c^*_{rgb^*} = \max(rgb^*) - \min(rgb^*)$$

$$n^* = 1 - \max(rgb^*) = 1 - i^*$$

$$w^* = \min(rgb^*) = 1 - d^*$$

$$i^*_{rgb^*} = w^* + 0,5 c^*_{rgb^*}$$



Beziehung rgb^* und relative Buntheit $c^*_{rgb^*}$ oder Buntheit $a^*_{rgb^*}, b^*_{rgb^*}$
 System: HG82_HRS16_96_D65_25%_O0

Ergebnis: $c^*_{rgb^*} = c^*_{lab^*}; i^*_{rgb^*} = i^*_{lab^*}$

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

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

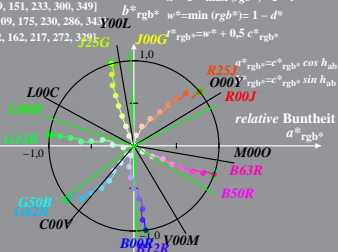
$h_{ab,e} = [26, 92, 162, 217, 272, 329]$

$c^*_{rgb^*} = \max(rgb^*) - \min(rgb^*)$

$n^* = 1 - \max(rgb^*) = 1 - i^*$

$w^* = \min(rgb^*) = 1 - d^*$

$i^*_{rgb^*} = w^* + 0,5 c^*_{rgb^*}$



Beziehung rgb^* und relative Buntheit $c^*_{rgb^*}$ oder Buntheit $a^*_{rgb^*}, b^*_{rgb^*}$
 System: HG82_HRS16_96_D65_25%_O1

Ergebnis: $c^*_{rgb^*} = c^*_{lab^*}; i^*_{rgb^*} = i^*_{lab^*}$

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

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

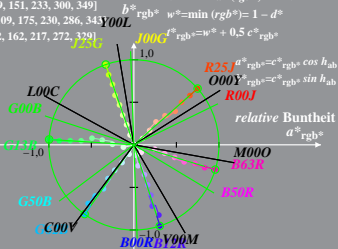
$h_{ab,e} = [26, 92, 162, 217, 272, 329]$

$c^*_{rgb^*} = \max(rgb^*) - \min(rgb^*)$

$n^* = 1 - \max(rgb^*) = 1 - i^*$

$w^* = \min(rgb^*) = 1 - d^*$

$i^*_{rgb^*} = w^* + 0,5 c^*_{rgb^*}$



Beziehung rgb^* und relative Buntheit $c^*_{rgb^*}$ oder Buntheit $a^*_{rgb^*}, b^*_{rgb^*}$
 System: HG82_HRS16_96_D65_50%_O0

Ergebnis: $c^*_{rgb^*} = c^*_{lab^*}; i^*_{rgb^*} = i^*_{lab^*}$

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

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

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

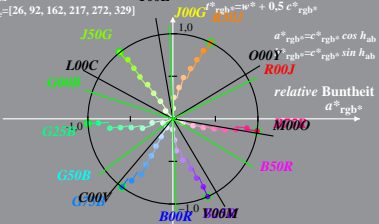
$b^*_{rgb^*}$
 Y00L

$c^*_{rgb^*} = \max(rgb^*) - \min(rgb^*)$

$n^* = 1 - \max(rgb^*) = 1 - i^*$

$w^* = \min(rgb^*) = 1 - d^*$

$i^*_{rgb^*} = w^* + 0,5 c^*_{rgb^*}$



Beziehung rgb^* und relative Buntheit $c^*_{rgb^*}$ oder Buntheit $a^*_{rgb^*}$, $b^*_{rgb^*}$
 System: HG82_HRS16_96_D65_50%_O1

Ergebnis: $c^*_{rgb^*} = e^*_{lab^*}$; $i^*_{rgb^*} = i^*_{lab^*}$

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

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

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

$c^*_{rgb^*} = \max(rgb^*) - \min(rgb^*)$

$n^* = 1 - \max(rgb^*) = 1 - i^*$

$w^* = \min(rgb^*) = 1 - d^*$

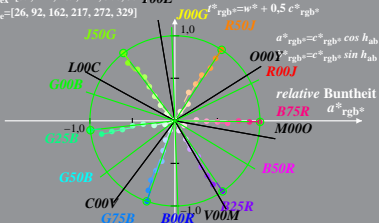
$i^*_{rgb^*} = w^* + 0,5 c^*_{rgb^*}$

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

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

relative Buntheit

$a^*_{rgb^*}$



Beziehung rgb^* und *relative* Buntheit $c^*_{rgb^*}$ oder Buntheit $a^*_{rgb^*}$, $b^*_{rgb^*}$
System: HG82_HRS16_96_D65_75%_O0

Ergebnis: $c^*_{rgb^*} = e^*_{lab^*}$; $i^*_{rgb^*} = i^*_{lab^*}$

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

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

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

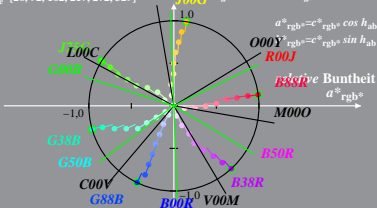
$b^*_{rgb^*}$

$c^*_{rgb^*} = \max(rgb^*) - \min(rgb^*)$

$n^* = 1 - \max(rgb^*) = 1 - i^*$

$w^* = \min(rgb^*) = 1 - d^*$

$J00G^*$
 $J^*_{rgb^*} = w^* + 0,5 c^*_{rgb^*}$



HG821-8A, 7; cfl=0.90; nt=0.18; nx=1.0

Beziehung rgb^* und relative Buntheit $c^*_{rgb^*}$ oder Buntheit $a^*_{rgb^*}, b^*_{rgb^*}$
 System: HG82_HRS16_96_D65_75%_O1

Ergebnis: $c^*_{rgb^*} = e^*_{lab^*}; i^*_{rgb^*} = i^*_{lab^*}$

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

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

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

$$c^*_{rgb^*} = \max(rgb^*) - \min(rgb^*)$$

$$n^* = 1 - \max(rgb^*) = 1 - i^*$$

$$w^* = \min(rgb^*) = 1 - d^*$$

$$r^*_{rgb^*} = w^* + 0,5 c^*_{rgb^*}$$

