

# Input: Colorimetric Printer Reflective System FRS06

for hue  $h^* = lab^*h = 37/360 = 0.102$

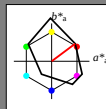
$lab^*tch$  and  $lab^*nch$

D65: hue O

LCH\*Ma: 33 78 37

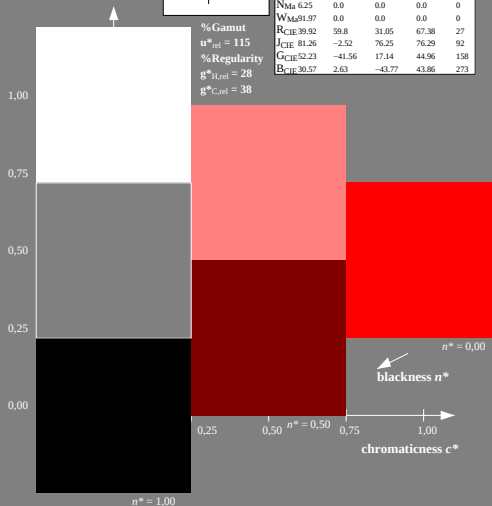
olv\*Ma: 1.0 0.0 0.0

triangle lightness  $t^*$



| FRS06; adapted (a) CIELAB data |         |         |              |              |  |  |
|--------------------------------|---------|---------|--------------|--------------|--|--|
| $L^*=L^*_a$                    | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |  |  |
| O <sub>Ma</sub> 32.57          | 62.32   | 46.49   | 77.75        | 37           |  |  |
| Y <sub>Ma</sub> 82.73          | -3.16   | 113.99  | 114.03       | 92           |  |  |
| L <sub>Ma</sub> 39.43          | -61.79  | 45.84   | 76.95        | 143          |  |  |
| C <sub>Ma</sub> 47.86          | -26.79  | -34.24  | 43.49        | 232          |  |  |
| V <sub>Ma</sub> 10.16          | 55.12   | -61.03  | 82.24        | 312          |  |  |
| M <sub>Ma</sub> 34.5           | 80.68   | -33.92  | 87.52        | 337          |  |  |
| N <sub>Ma</sub> 6.25           | 0.0     | 0.0     | 0.0          | 0            |  |  |
| W <sub>Ma</sub> 91.97          | 0.0     | 0.0     | 0.0          | 0            |  |  |
| R <sub>CIE</sub> 39.92         | 59.8    | 31.05   | 67.38        | 27           |  |  |
| J <sub>CIE</sub> 81.26         | -2.52   | 76.25   | 76.29        | 92           |  |  |
| G <sub>CIE</sub> 52.23         | -41.56  | 17.14   | 44.96        | 158          |  |  |
| B <sub>CIE</sub> 30.57         | 2.63    | -43.77  | 43.86        | 273          |  |  |

%Gamut  
 $u^*_{rel} = 115$   
%Regularity  
 $g^*_{H,rel} = 28$   
 $g^*_{C,rel} = 38$



XE680-7, 3 step scales for constant CIELAB hue 37/360 = 0.102 (left)

BAM-test chart XE68; Colorimetric systems FRS06 & FRS06  
D65: 3 and 5 step colour scales for 10 hues

# Output: Colorimetric Printer Reflective System FRS06

for hue  $h^* = lab^*h = 37/360 = 0.102$

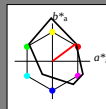
$lab^*tch$  and  $lab^*nch$

D65: hue O

LCH\*Ma: 33 78 37

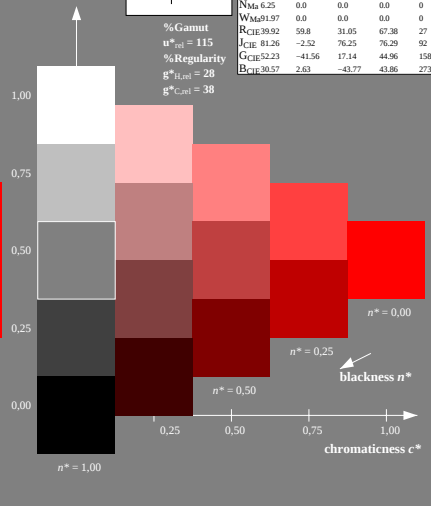
olv\*Ma: 1.0 0.0 0.0

triangle lightness  $t^*$



| FRS06; adapted (a) CIELAB data |         |         |              |              |  |  |
|--------------------------------|---------|---------|--------------|--------------|--|--|
| $L^*=L^*_a$                    | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |  |  |
| O <sub>Ma</sub> 32.57          | 62.32   | 46.49   | 77.75        | 37           |  |  |
| Y <sub>Ma</sub> 82.73          | -3.16   | 113.99  | 114.03       | 92           |  |  |
| L <sub>Ma</sub> 39.43          | -61.79  | 45.84   | 76.95        | 143          |  |  |
| C <sub>Ma</sub> 47.86          | -26.79  | -34.24  | 43.49        | 232          |  |  |
| V <sub>Ma</sub> 10.16          | 55.12   | -61.03  | 82.24        | 312          |  |  |
| M <sub>Ma</sub> 34.5           | 80.68   | -33.92  | 87.52        | 337          |  |  |
| N <sub>Ma</sub> 6.25           | 0.0     | 0.0     | 0.0          | 0            |  |  |
| W <sub>Ma</sub> 91.97          | 0.0     | 0.0     | 0.0          | 0            |  |  |
| R <sub>CIE</sub> 39.92         | 59.8    | 31.05   | 67.38        | 27           |  |  |
| J <sub>CIE</sub> 81.26         | -2.52   | 76.25   | 76.29        | 92           |  |  |
| G <sub>CIE</sub> 52.23         | -41.56  | 17.14   | 44.96        | 158          |  |  |
| B <sub>CIE</sub> 30.57         | 2.63    | -43.77  | 43.86        | 273          |  |  |

%Gamut  
 $u^*_{rel} = 115$   
%Regularity  
 $g^*_{H,rel} = 28$   
 $g^*_{C,rel} = 38$



5 step scales for constant CIELAB hue 37/360 = 0.102 (right)

input: olv\*/rgb\* setrgbcolor  
output: no change compared to input