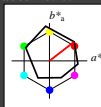


**Input: Colorimetric Offset Reflective System ORS18**

for hue  $h^* = lab^*h = 38/360 = 0.105$   
 $lab^*tch$  and  $lab^*nch$

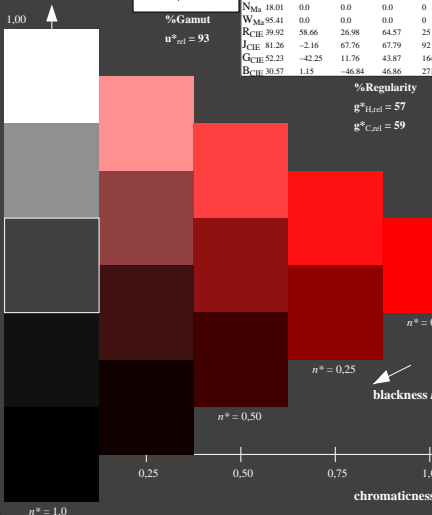
D65: hue O  
 LCH\*Ma: 48 83 38  
 olv\*Ma: 1.0 0.0 0.0

triangle lightness



**ORS18; adapted (a) CIELAB data**

|                  | $L^* - L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab}$ | $h^*_{ab}$ |
|------------------|---------------|---------|---------|------------|------------|
| O <sub>Ma</sub>  | 47.94         | 65.39   | 50.52   | 82.63      | 38         |
| Y <sub>Ma</sub>  | 90.37         | -10.26  | 91.75   | 92.32      | 96         |
| L <sub>Ma</sub>  | 50.9          | -62.83  | 34.96   | 71.91      | 151        |
| C <sub>Ma</sub>  | 58.62         | -30.34  | -45.01  | 54.3       | 236        |
| V <sub>Ma</sub>  | 25.72         | 31.1    | -44.4   | 54.22      | 305        |
| M <sub>Ma</sub>  | 48.13         | 75.28   | -8.36   | 75.74      | 354        |
| N <sub>Ma</sub>  | 18.01         | 0.0     | 0.0     | 0.0        | 0          |
| W <sub>Ma</sub>  | 95.41         | 0.0     | 0.0     | 0.0        | 0          |
| R <sub>CIE</sub> | 39.92         | 58.66   | 26.98   | 64.57      | 25         |
| J <sub>CIE</sub> | 81.26         | -2.16   | 67.76   | 67.79      | 92         |
| G <sub>CIE</sub> | 52.23         | -42.25  | 11.76   | 43.87      | 164        |
| B <sub>CIE</sub> | 30.57         | 1.15    | -46.84  | 46.86      | 271        |

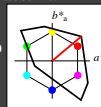


**Output: Colorimetric Television Luminous System TLS00**

for hue  $h^* = lab^*h = 40/360 = 0.111$   
 $lab^*tch$  and  $lab^*nch$

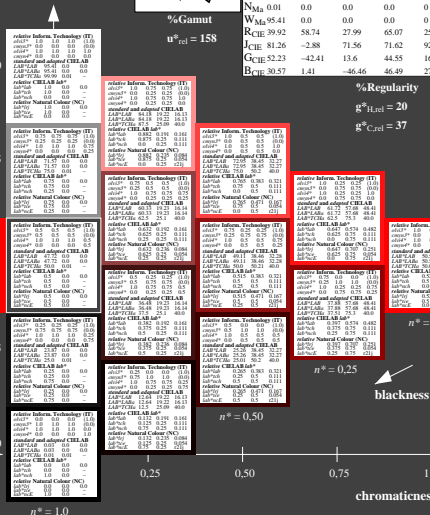
D65: hue O  
 LCH\*Ma: 51 100 40  
 olv\*Ma: 1.0 0.0 0.0

triangle lightness



**TLS00; adapted (a) CIELAB data**

|                  | $L^* - L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab}$ | $h^*_{ab}$ |
|------------------|---------------|---------|---------|------------|------------|
| O <sub>Ma</sub>  | 50.5          | 76.92   | 64.55   | 100.42     | 40         |
| Y <sub>Ma</sub>  | 92.66         | -20.69  | 90.75   | 93.08      | 103        |
| L <sub>Ma</sub>  | 83.63         | -82.75  | 79.9    | 115.04     | 136        |
| C <sub>Ma</sub>  | 86.88         | -46.16  | -13.55  | 48.12      | 196        |
| V <sub>Ma</sub>  | 30.39         | 76.06   | -103.59 | 128.52     | 300        |
| M <sub>Ma</sub>  | 57.3          | 94.35   | -58.41  | 110.97     | 328        |
| N <sub>Ma</sub>  | 0.01          | 0.0     | 0.0     | 0.0        | 0          |
| W <sub>Ma</sub>  | 95.41         | 0.0     | 0.0     | 0.0        | 0          |
| R <sub>CIE</sub> | 39.92         | 58.74   | 27.99   | 65.07      | 25         |
| J <sub>CIE</sub> | 81.26         | -2.88   | 71.56   | 71.62      | 92         |
| G <sub>CIE</sub> | 52.23         | -42.41  | 13.6    | 44.55      | 162        |
| B <sub>CIE</sub> | 30.57         | 1.41    | -46.46  | 46.49      | 272        |



See for similar files: <http://www.ps.bam.de/NE40/>  
 Technical information: <http://www.ps.bam.de> Version 2.1, io=1.1, CIELAB

BAM registration: 20060101-NE40/10S/S40E00F1.PS/TXT  
 application for evaluation and measurement of printer or monitor systems  
 NE40E Form: 110 Seite 11, Page 1

BAM material: code=ha4ta  
 Page count: 1

NE400-7, 5 step scales for constant CIELAB hue 38/360 = 0.105 (left)

5 step scales for constant CIE L\*a\*b\* hue 40/360 = 0.111 (right)

BAM-test chart NE40; Colorimetric systems ORS18 & TLS00  
 D65: 5 step colour scales and coordinate data for 10 hues

input: `olv* setrgbcolor`  
 output: `olv* setrgbcolor /w* setgray`