

# Input and Output: Laser Reflective System LRS18a

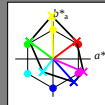
Data for any device (d) or  
elementary (e) colour:

$HIC^*$

hue text for the colours  
of this page:

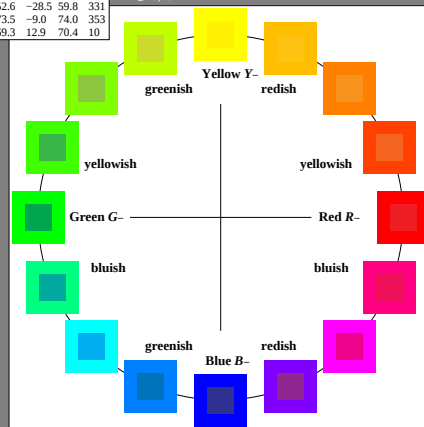
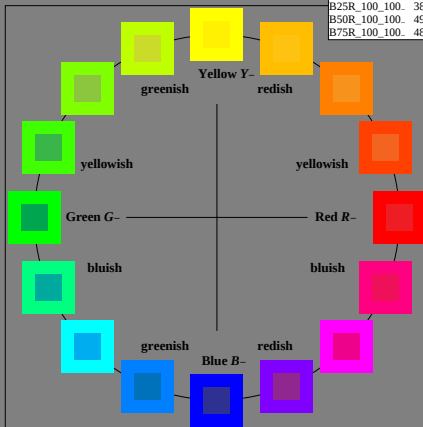
$H^*_e = R00Y_-, R25Y_-, ..., B75R_-$

| ORS20a; adapted (a) CIELAB data |                   |         |              |              |     |  |
|---------------------------------|-------------------|---------|--------------|--------------|-----|--|
| $H^*_e$                         | $L^*=L^*_s a^*_s$ | $b^*_s$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |     |  |
| R00Y_100_100_                   | 48.4              | 66.1    | 40.2         | 77.3         | 31  |  |
| R25Y_100_100_                   | 56.8              | 48.0    | 50.5         | 69.6         | 46  |  |
| R50Y_100_100_                   | 68.6              | 25.0    | 63.9         | 68.6         | 68  |  |
| R75Y_100_100_                   | 80.6              | 4.8     | 77.2         | 77.3         | 86  |  |
| Y00G_100_100_                   | 90.2              | -9.6    | 88.2         | 88.7         | 96  |  |
| Y25G_100_100_                   | 83.2              | -18.4   | 79.9         | 81.9         | 102 |  |
| Y50G_100_100_                   | 73.3              | -31.7   | 62.7         | 70.2         | 116 |  |
| Y75G_100_100_                   | 62.0              | -49.7   | 43.2         | 65.8         | 139 |  |
| G00B_100_100_                   | 55.8              | -65.2   | 33.8         | 73.4         | 152 |  |
| G25B_100_100_                   | 59.3              | -50.3   | -9.0         | 51.0         | 190 |  |
| G50B_100_100_                   | 63.0              | -30.5   | -42.0        | 51.9         | 234 |  |
| G75B_100_100_                   | 45.7              | -5.7    | -44.6        | 44.9         | 262 |  |
| B00R_100_100_                   | 27.5              | 25.9    | -47.3        | 53.9         | 298 |  |
| B25R_100_100_                   | 38.3              | 52.6    | -28.5        | 59.8         | 331 |  |
| B50R_100_100_                   | 49.5              | 73.5    | -9.0         | 74.0         | 353 |  |
| B75R_100_100_                   | 48.9              | 69.3    | 12.9         | 70.4         | 10  |  |



%Gamut  
 $u^*_{rel} = 114$   
%Regularity  
 $g^*_{H,rel} = 28$   
 $g^*_{C,rel} = 38$

| LRS18a; adapted (a) CIELAB data |                   |         |              |              |     |  |
|---------------------------------|-------------------|---------|--------------|--------------|-----|--|
| name                            | $L^*=L^*_s a^*_s$ | $b^*_s$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |     |  |
| R_ Ma                           | 32.5              | 62.3    | 46.4         | 77.7         | 36  |  |
| Y_ Ma                           | 82.7              | -3.1    | 113.9        | 114.0        | 91  |  |
| G_ Ma                           | 39.4              | -61.8   | 45.8         | 76.9         | 143 |  |
| C_ Ma                           | 47.8              | -26.8   | -34.2        | 43.4         | 231 |  |
| B_ Ma                           | 10.1              | 55.1    | -61.0        | 82.2         | 312 |  |
| M_ Ma                           | 34.5              | 80.6    | -33.9        | 87.5         | 337 |  |
| N_ Ma                           | 6.2               | 0.0     | 0.0          | 0.0          | 0   |  |
| W_ Ma                           | 91.9              | 0.0     | 0.0          | 0.0          | 0   |  |
| R_ CIE                          | 39.9              | 58.7    | 27.9         | 65.0         | 25  |  |
| Y_ CIE                          | 81.2              | -2.8    | 71.5         | 71.6         | 92  |  |
| G_ CIE                          | 52.2              | -42.4   | 13.6         | 44.5         | 162 |  |
| B_ CIE                          | 30.5              | 1.4     | -46.4        | 46.4         | 271 |  |



RE830-7N RGB 1-003030-L0

TUB-test chart RE83; 16 step hue circle,  $cf=1$   
Test chart according to DIN 33872

input: rgb/cmyk -> rgb/cmyk  
output: no change