

# Input: Colorimetric Offset Reflective System ORS18

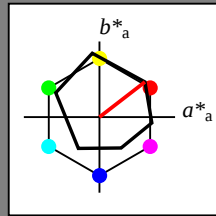
for hue  $h^* = lab^*h = 38/360 = 0.105$

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

D65: hue O

LCH\*Ma: 52 76 38

olv\*Ma: 1.0 0.0 0.0



%Gamut

$u^*_{rel} = 85$

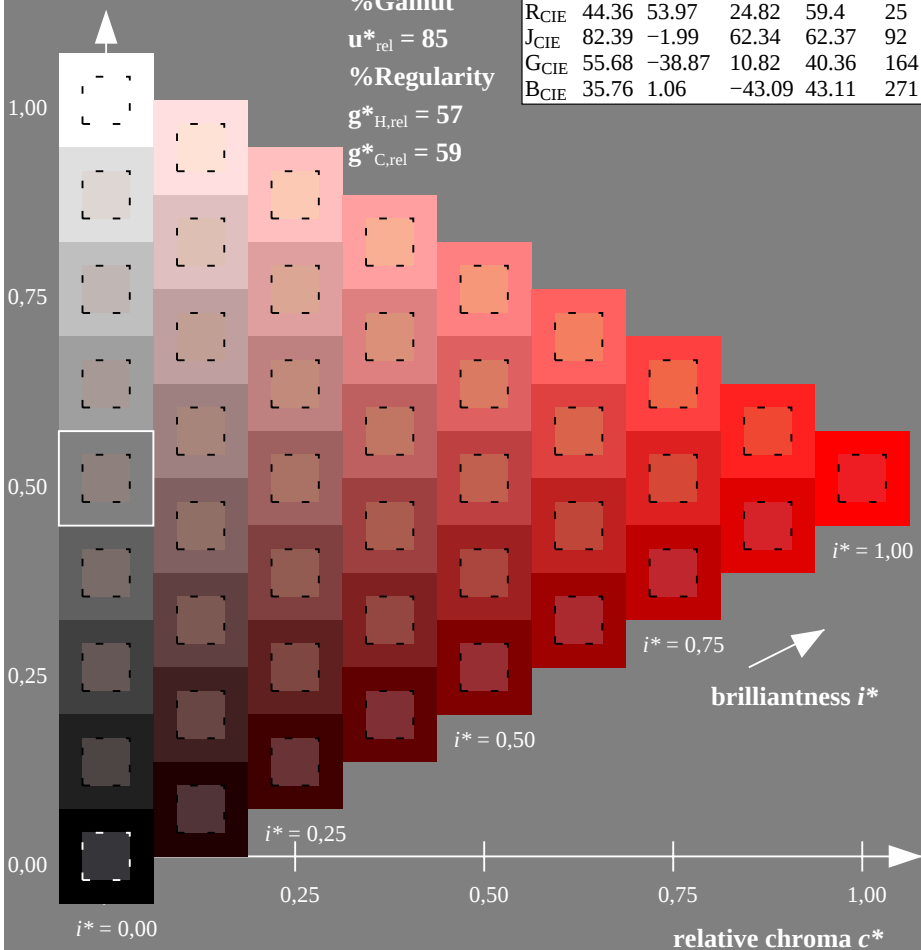
%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

| ORS18; adapted (a) CIELAB data |             |         |         |              |              |
|--------------------------------|-------------|---------|---------|--------------|--------------|
|                                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| OMa                            | 51.74       | 60.16   | 46.48   | 76.02        | 38           |
| YMa                            | 90.77       | -9.44   | 84.41   | 84.94        | 96           |
| LMa                            | 54.46       | -57.8   | 32.16   | 66.15        | 151          |
| CMa                            | 61.56       | -27.91  | -41.41  | 49.95        | 236          |
| VMa                            | 31.3        | 28.61   | -40.85  | 49.88        | 305          |
| MMa                            | 51.91       | 69.26   | -7.69   | 69.68        | 354          |
| NMa                            | 24.2        | 0.0     | 0.0     | 0.0          | 0            |
| WMa                            | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| RCIE                           | 44.36       | 53.97   | 24.82   | 59.4         | 25           |
| JCIE                           | 82.39       | -1.99   | 62.34   | 62.37        | 92           |
| GCIE                           | 55.68       | -38.87  | 10.82   | 40.36        | 164          |
| BCIE                           | 35.76       | 1.06    | -43.09  | 43.11        | 271          |

triangle lightness  $t^*$



ZE820-7N, 9 step scales for constant CIELAB hue 38/360 = 0.105 (left)

# Output: Colorimetric Offset Reflective System ORS18

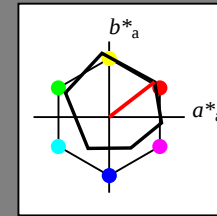
for hue  $h^* = lab^*h = 38/360 = 0.105$

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

D65: hue O

LCH\*Ma: 52 76 38

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%Gamut

$u^*_{rel} = 85$

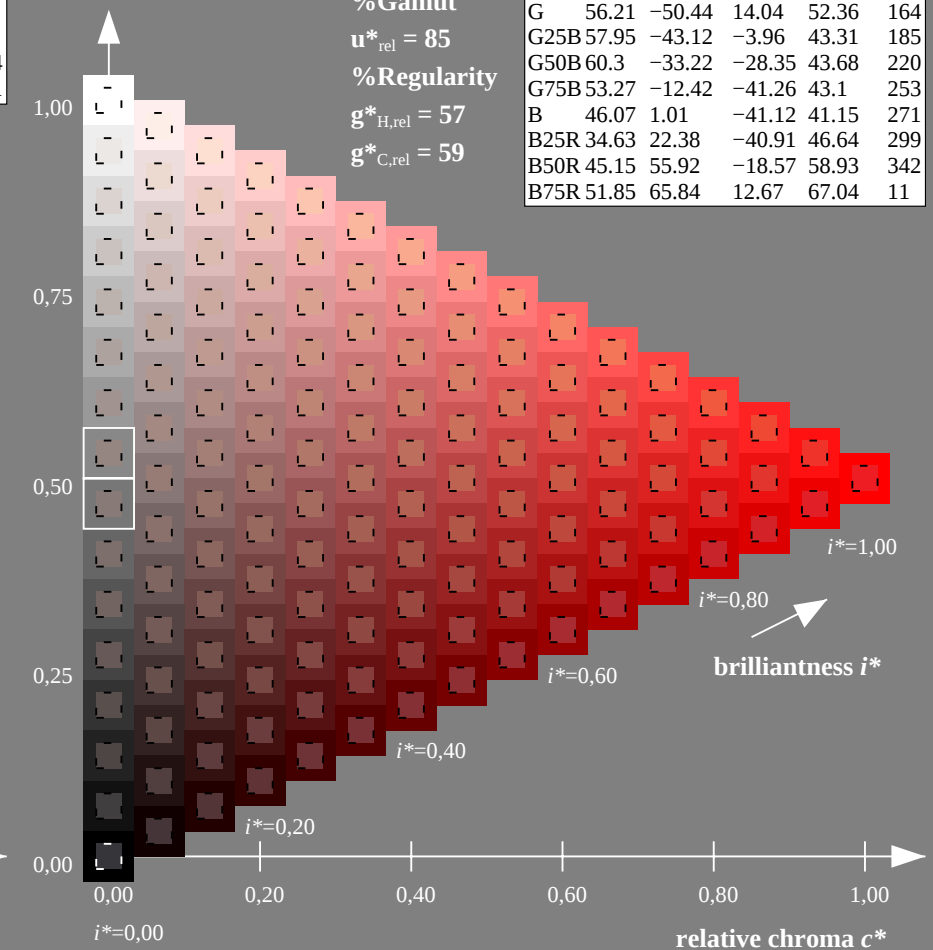
%Regularity

$g^*_{H,rel} = 57$

$g^*_{C,rel} = 59$

| ORS18; adapted (a) CIELAB data |             |         |         |              |              |
|--------------------------------|-------------|---------|---------|--------------|--------------|
|                                | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
| R                              | 51.79       | 63.09   | 29.02   | 69.44        | 25           |
| R25J                           | 53.73       | 56.6    | 48.42   | 74.48        | 41           |
| R50J                           | 65.47       | 35.67   | 59.82   | 69.65        | 59           |
| R75J                           | 76.51       | 15.98   | 70.55   | 72.34        | 77           |
| J                              | 86.93       | -2.58   | 80.67   | 80.71        | 92           |
| J25G                           | 84.92       | -17.23  | 75.99   | 77.92        | 103          |
| J50G                           | 73.11       | -32.96  | 59.0    | 67.58        | 119          |
| J75G                           | 60.06       | -50.34  | 40.22   | 64.44        | 141          |
| G                              | 56.21       | -50.44  | 14.04   | 52.36        | 164          |
| G25B                           | 57.95       | -43.12  | -3.96   | 43.31        | 185          |
| G50B                           | 60.3        | -33.22  | -28.35  | 43.68        | 220          |
| G75B                           | 53.27       | -12.42  | -41.26  | 43.1         | 253          |
| B                              | 46.07       | 1.01    | -41.12  | 41.15        | 271          |
| B25R                           | 34.63       | 22.38   | -40.91  | 46.64        | 299          |
| B50R                           | 45.15       | 55.92   | -18.57  | 58.93        | 342          |
| B75R                           | 51.85       | 65.84   | 12.67   | 67.04        | 11           |

triangle lightness  $t^*$



ZE820-7N, 16 step scales for constant CIELAB hue 38/360 = 0.105 (right)