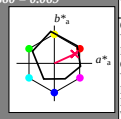
**Input: Colorimetric Offset Reflective System ORS18**

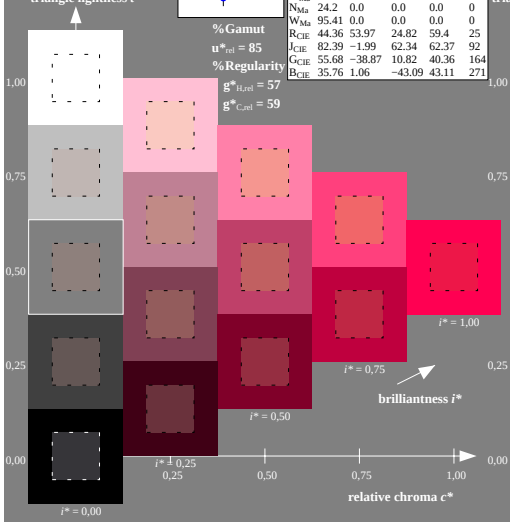
for hue $h^* = lab^*h = 25/360 = 0.069$
$lab^*tch$ and $lab^*nch$
D65: hue R
LCH*Ma: 52 69 25
olv*Ma: 1.0 0.0 0.32
triangle lightness $t^*$




ORS18; adapted (a) CIELAB data

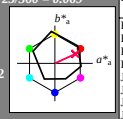
| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Ma}$ | 51.74 | 60.16 | 46.48 | 76.02 | 38 |
| $Y_{Ma}$ | 90.77 | −9.44 | 84.41 | 84.94 | 96 |
| $L_{Ma}$ | 54.46 | −57.8 | 32.16 | 66.15 | 151 |
| $C_{Ma}$ | 61.56 | −27.91 | −41.41 | 49.95 | 236 |
| $V_{Ma}$ | 31.3 | 28.61 | −40.85 | 49.88 | 305 |
| $M_{Ma}$ | 51.91 | 69.26 | −7.69 | 69.68 | 354 |
| $N_{Ma}$ | 24.2 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 44.36 | 53.97 | 24.82 | 59.4 | 25 |
| $J_{CIE}$ | 82.39 | −1.99 | 62.34 | 62.37 | 92 |
| $G_{CIE}$ | 55.68 | −38.87 | 10.82 | 40.36 | 164 |
| $B_{CIE}$ | 35.76 | 1.06 | −43.09 | 43.11 | 271 |

%Gamut
$u^*_{rel} = 85$
%Regularity
$g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$




**Output: Colorimetric Offset Reflective System ORS18**

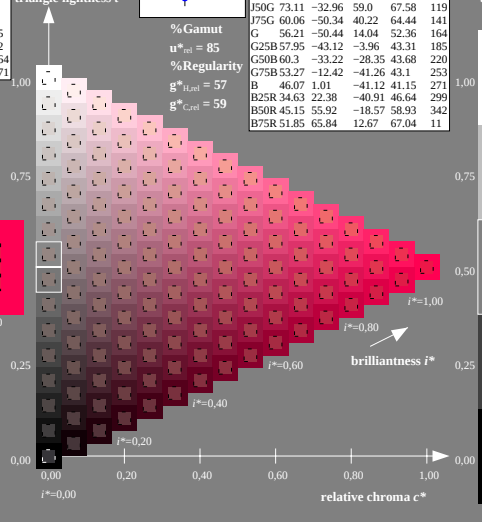
for hue $h^* = lab^*h = 25/360 = 0.069$
$lab^*tch$ and $lab^*nch$
D65: hue R
LCH*Ma: 52 69 25
olv*Ma: 1.0 0.0 0.32
triangle lightness $t^*$




ORS18; adapted (a) CIELAB data

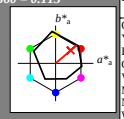
| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| R | 51.79 | 63.09 | 29.02 | 69.44 | 25 |
| R25J | 53.73 | 56.6 | 48.42 | 74.48 | 41 |
| R50J | 65.47 | 35.67 | 59.82 | 69.65 | 59 |
| R75J | 76.51 | 15.98 | 70.55 | 72.34 | 77 |
| J | 86.93 | −2.58 | 80.67 | 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 |

%Gamut
$u^*_{rel} = 85$
%Regularity
$g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$




**Input: Colorimetric Offset Reflective System ORS18**

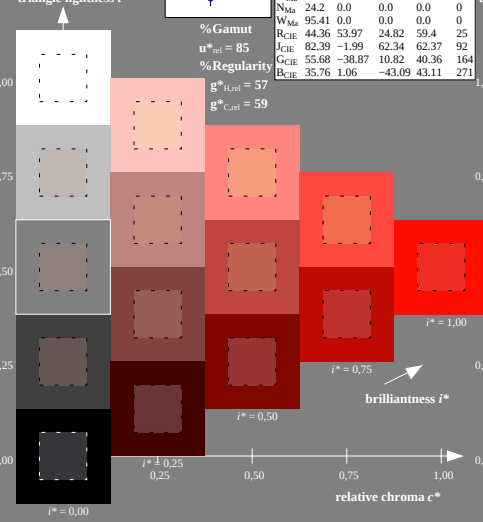
for hue $h^* = lab^*h = 41/360 = 0.113$
$lab^*tch$ and $lab^*nch$
D65: hue R25J
LCH*Ma: 54 74 41
olv*Ma: 1.0 0.05 0.0
triangle lightness $t^*$




ORS18; adapted (a) CIELAB data

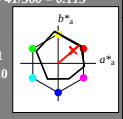
| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Ma}$ | 51.74 | 60.16 | 46.48 | 76.02 | 38 |
| $Y_{Ma}$ | 90.77 | −9.44 | 84.41 | 84.94 | 96 |
| $L_{Ma}$ | 54.46 | −57.8 | 32.16 | 66.15 | 151 |
| $C_{Ma}$ | 61.56 | −27.91 | −41.41 | 49.95 | 236 |
| $V_{Ma}$ | 31.3 | 28.61 | −40.85 | 49.88 | 305 |
| $M_{Ma}$ | 51.91 | 69.26 | −7.69 | 69.68 | 354 |
| $N_{Ma}$ | 24.2 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 44.36 | 53.97 | 24.82 | 59.4 | 25 |
| $J_{CIE}$ | 82.39 | −1.99 | 62.34 | 62.37 | 92 |
| $G_{CIE}$ | 55.68 | −38.87 | 10.82 | 40.36 | 164 |
| $B_{CIE}$ | 35.76 | 1.06 | −43.09 | 43.11 | 271 |

%Gamut
$u^*_{rel} = 85$
%Regularity
$g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$




**Output: Colorimetric Offset Reflective System ORS18**

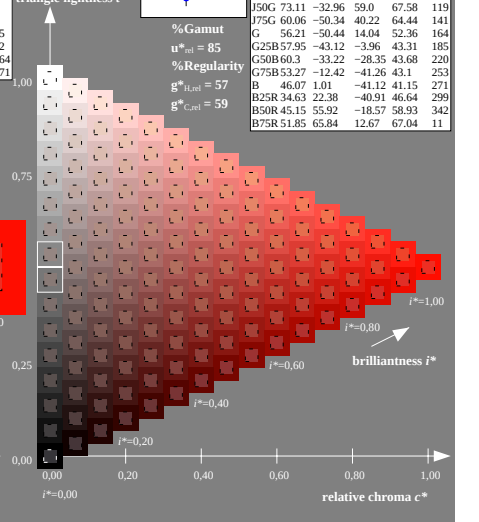
for hue $h^* = lab^*h = 41/360 = 0.113$
$lab^*tch$ and $lab^*nch$
D65: hue R25J
LCH*Ma: 54 74 41
olv*Ma: 1.0 0.05 0.0
triangle lightness $t^*$




ORS18; adapted (a) CIELAB data

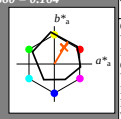
| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| R | 51.79 | 63.09 | 29.02 | 69.44 | 25 |
| R25J | 53.73 | 56.6 | 48.42 | 74.48 | 41 |
| R50J | 65.47 | 35.67 | 59.82 | 69.65 | 59 |
| R75J | 76.51 | 15.98 | 70.55 | 72.34 | 77 |
| J | 86.93 | −2.58 | 80.67 | 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 |

%Gamut
$u^*_{rel} = 85$
%Regularity
$g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$




**Input: Colorimetric Offset Reflective System ORS18**

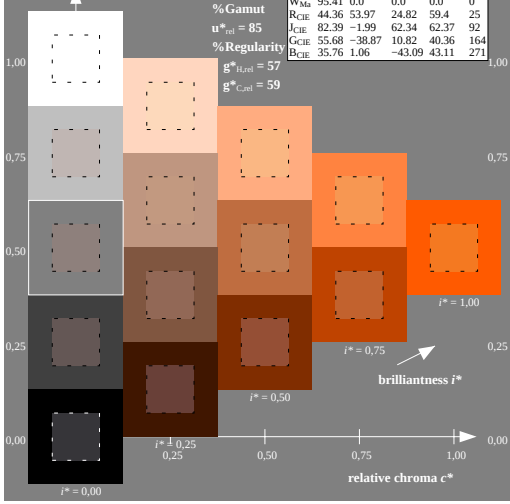
for hue $h^* = lab^*h = 59/360 = 0.164$
$lab^*tch$ and $lab^*nch$
D65: hue R50J
LCH*Ma: 65 70 59
olv*Ma: 1.0 0.35 0.0
triangle lightness $t^*$




ORS18; adapted (a) CIELAB data

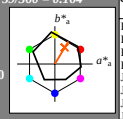
| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Ma}$ | 51.74 | 60.16 | 46.48 | 76.02 | 38 |
| $Y_{Ma}$ | 90.77 | −9.44 | 84.41 | 84.94 | 96 |
| $L_{Ma}$ | 54.46 | −57.8 | 32.16 | 66.15 | 151 |
| $C_{Ma}$ | 61.56 | −27.91 | −41.41 | 49.95 | 236 |
| $V_{Ma}$ | 31.3 | 28.61 | −40.85 | 49.88 | 305 |
| $M_{Ma}$ | 51.91 | 69.26 | −7.69 | 69.68 | 354 |
| $N_{Ma}$ | 24.2 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 44.36 | 53.97 | 24.82 | 59.4 | 25 |
| $J_{CIE}$ | 82.39 | −1.99 | 62.34 | 62.37 | 92 |
| $G_{CIE}$ | 55.68 | −38.87 | 10.82 | 40.36 | 164 |
| $B_{CIE}$ | 35.76 | 1.06 | −43.09 | 43.11 | 271 |

%Gamut
$u^*_{rel} = 85$
%Regularity
$g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$




**Output: Colorimetric Offset Reflective System ORS18**

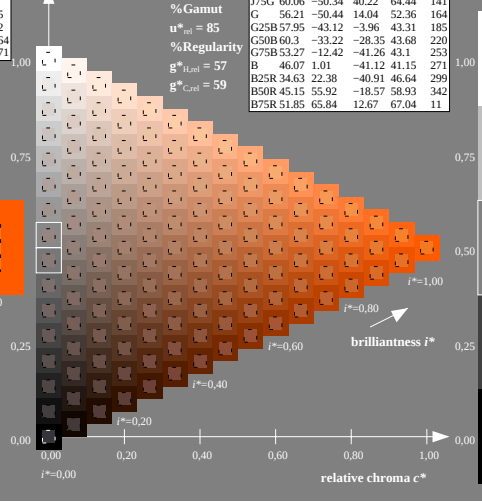
for hue $h^* = lab^*h = 59/360 = 0.164$
$lab^*tch$ and $lab^*nch$
D65: hue R50J
LCH*Ma: 65 70 59
olv*Ma: 1.0 0.35 0.0
triangle lightness $t^*$




ORS18; adapted (a) CIELAB data

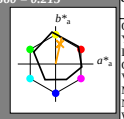
| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| R | 51.79 | 63.09 | 29.02 | 69.44 | 25 |
| R25J | 53.73 | 56.6 | 48.42 | 74.48 | 41 |
| R50J | 65.47 | 35.67 | 59.82 | 69.65 | 59 |
| R75J | 76.51 | 15.98 | 70.55 | 72.34 | 77 |
| J | 86.93 | −2.58 | 80.67 | 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 |

%Gamut
$u^*_{rel} = 85$
%Regularity
$g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$




**Input: Colorimetric Offset Reflective System ORS18**

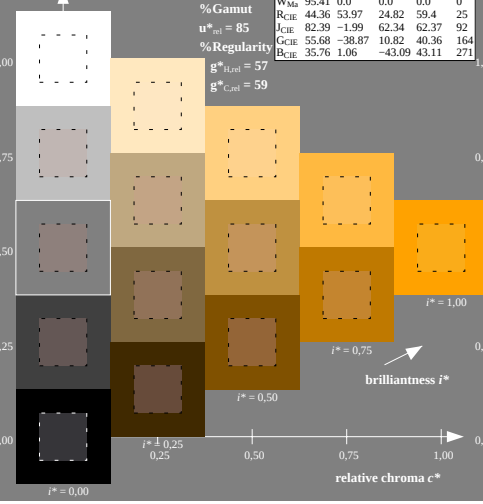
for hue $h^* = lab^*h = 77/360 = 0.215$
$lab^*tch$ and $lab^*nch$
D65: hue R75J
LCH*Ma: 77 72 77
olv*Ma: 1.0 0.63 0.0
triangle lightness $t^*$




ORS18; adapted (a) CIELAB data

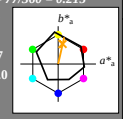
| | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|---|---|---|---|---|---|
| $O_{Ma}$ | 51.74 | 60.16 | 46.48 | 76.02 | 38 |
| $Y_{Ma}$ | 90.77 | −9.44 | 84.41 | 84.94 | 96 |
| $L_{Ma}$ | 54.46 | −57.8 | 32.16 | 66.15 | 151 |
| $C_{Ma}$ | 61.56 | −27.91 | −41.41 | 49.95 | 236 |
| $V_{Ma}$ | 31.3 | 28.61 | −40.85 | 49.88 | 305 |
| $M_{Ma}$ | 51.91 | 69.26 | −7.69 | 69.68 | 354 |
| $N_{Ma}$ | 24.2 | 0.0 | 0.0 | 0.0 | 0 |
| $W_{Ma}$ | 95.41 | 0.0 | 0.0 | 0.0 | 0 |
| $R_{CIE}$ | 44.36 | 53.97 | 24.82 | 59.4 | 25 |
| $J_{CIE}$ | 82.39 | −1.99 | 62.34 | 62.37 | 92 |
| $G_{CIE}$ | 55.68 | −38.87 | 10.82 | 40.36 | 164 |
| $B_{CIE}$ | 35.76 | 1.06 | −43.09 | 43.11 | 271 |

%Gamut
$u^*_{rel} = 85$
%Regularity
$g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$

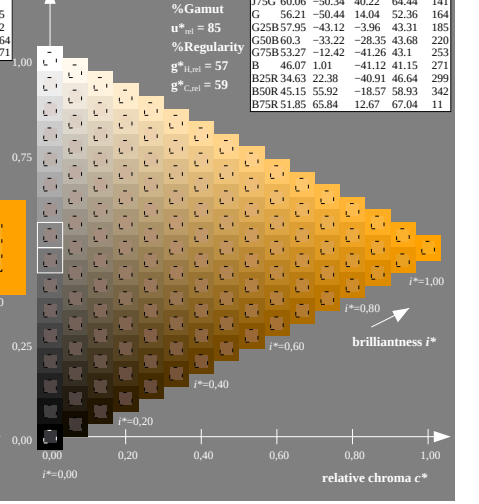



**Output: Colorimetric Offset Reflective System ORS18**

for hue $h^* = lab^*h = 77/360 = 0.215$
$lab^*tch$ and $lab^*nch$
D65: hue R75J
LCH*Ma: 77 72 77
olv*Ma: 1.0 0.63 0.0
triangle lightness $t^*$




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 |

%Gamut
$u^*_{rel} = 85$
%Regularity
$g^*_{H,rel} = 57$
$g^*_{C,rel} = 59$