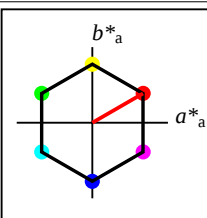


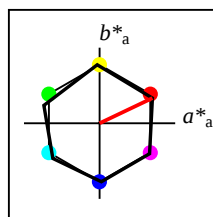
%Gamut  
 $u^*_{rel} = 100$   
%Regularity  
 $g^*_{H,rel} = 100$   
 $g^*_{C,rel} = 100$

| SRS18            | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>M</sub>   | 56.71       | 67.03   | 38.7    | 77.4         | 30           |
| Y <sub>M</sub>   | 56.71       | 0.0     | 77.4    | 77.4         | 90           |
| L <sub>M</sub>   | 56.71       | -67.02  | 38.7    | 77.4         | 150          |
| C <sub>M</sub>   | 56.71       | -67.02  | -38.69  | 77.4         | 210          |
| V <sub>M</sub>   | 56.71       | 0.0     | -77.39  | 77.4         | 270          |
| M <sub>M</sub>   | 56.71       | 67.03   | -38.69  | 77.4         | 330          |
| N <sub>M</sub>   | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>M</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          |



%Gamut  
 $u^*_{rel} = 100$   
%Regularity  
 $g^*_{H,rel} = 100$   
 $g^*_{C,rel} = 100$

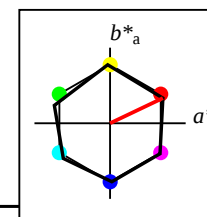
| SRS18a; adapted CIELAB data | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|-----------------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>             | 56.71       | 67.03   | 38.7    | 77.4         | 30           |
| Y <sub>Ma</sub>             | 56.71       | 0.0     | 77.4    | 77.4         | 90           |
| L <sub>Ma</sub>             | 56.71       | -67.02  | 38.7    | 77.4         | 150          |
| C <sub>Ma</sub>             | 56.71       | -67.02  | -38.69  | 77.4         | 210          |
| V <sub>Ma</sub>             | 56.71       | 0.0     | -77.39  | 77.4         | 270          |
| M <sub>Ma</sub>             | 56.71       | 67.03   | -38.69  | 77.4         | 330          |
| 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       | 58.74   | 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          |



%Gamut  
 $u^*_{rel} = 100$   
%Regularity  
 $g^*_{H,rel} = 78$   
 $g^*_{C,rel} = 100$

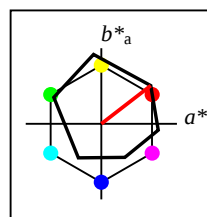
| NRS18a; adapted CIELAB data | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|-----------------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>             | 56.71       | 69.87   | 33.29   | 77.4         | 25           |
| Y <sub>Ma</sub>             | 56.71       | -3.1    | 77.34   | 77.4         | 92           |
| L <sub>Ma</sub>             | 56.71       | -73.68  | 23.63   | 77.39        | 162          |
| C <sub>Ma</sub>             | 56.71       | -61.81  | -46.54  | 77.39        | 217          |
| V <sub>Ma</sub>             | 56.71       | 2.35    | -77.34  | 77.39        | 272          |
| M <sub>Ma</sub>             | 56.71       | 66.07   | -40.3   | 77.4         | 329          |
| 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       | 58.74   | 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          |

Workflow choices  
for colour samples:  
1. No colour change  
2. Hue change  
3. Chroma change



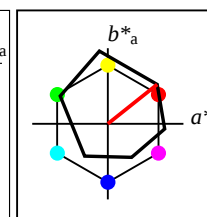
%Gamut  
 $u^*_{rel} = 100$   
%Regularity  
 $g^*_{H,rel} = 78$   
 $g^*_{C,rel} = 100$

| NRS18a; adapted CIELAB data | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|-----------------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>             | 56.71       | 69.87   | 33.29   | 77.4         | 25           |
| Y <sub>Ma</sub>             | 56.71       | -3.1    | 77.34   | 77.4         | 92           |
| L <sub>Ma</sub>             | 56.71       | -73.68  | 23.63   | 77.39        | 162          |
| C <sub>Ma</sub>             | 56.71       | -61.81  | -46.54  | 77.39        | 217          |
| V <sub>Ma</sub>             | 56.71       | 2.35    | -77.34  | 77.39        | 272          |
| M <sub>Ma</sub>             | 56.71       | 66.07   | -40.3   | 77.4         | 329          |
| 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       | 58.74   | 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          |



%Gamut  
 $u^*_{rel} = 93$   
%Regularity  
 $g^*_{H,rel} = 57$   
 $g^*_{C,rel} = 59$

| ORS18a; adapted CIELAB data | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|-----------------------------|-------------|---------|---------|--------------|--------------|
| 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          |



%Gamut  
 $u^*_{rel} = 94$   
%Regularity  
 $g^*_{H,rel} = 58$   
 $g^*_{C,rel} = 54$

| ORS18            | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>M</sub>   | 47.94       | 65.31   | 52.07   | 83.53        | 39           |
| Y <sub>M</sub>   | 90.37       | -11.15  | 96.17   | 96.82        | 97           |
| L <sub>M</sub>   | 50.9        | -62.96  | 36.71   | 72.89        | 150          |
| C <sub>M</sub>   | 58.62       | -30.62  | -42.74  | 52.59        | 234          |
| V <sub>M</sub>   | 25.72       | 31.45   | -44.35  | 54.38        | 305          |
| M <sub>M</sub>   | 48.13       | 75.2    | -6.79   | 75.51        | 355          |
| N <sub>M</sub>   | 18.01       | 0.5     | -0.46   | 0.69         | 317          |
| W <sub>M</sub>   | 95.41       | -0.98   | 4.76    | 4.86         | 102          |
| 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          |

Relative CIELAB chroma diagram: ( $a_r^* = lab^*a$ ,  $b_r^* = lab^*b$ ) and absolute CIELAB hue triangle diagram: ( $L^*$ ,  $C_{ab}^*$ ) for input (---) and output (---)  
SRS18: Input (i) colorimetric system; Six hue angles of the colour device: (30.0, 90.0, 150.0, 210.0, 270.0, 330.0); Four hue angles of the elementary colours: (25.5, 92.3, 162.2, 271.7)  
ORS18: Output (o) colorimetric system; Six hue angles of the colour device: (37.7, 96.4, 150.9, 236.0, 305.0, 353.7); Four hue angles of the elementary colours: (24.7, 91.8, 164.5, 271.4)

#### Y Yellow

olv3Mi = 1.0 1.0 0.0  
olv3Mo = 1.0 0.891 0.0  
LCHMi = 56.7 77.4 90  
LCHo = 85.8 91.3 90  
tchMi = 0.5 1.0 0.25  
tchMo = 0.5 1.0 0.25

#### L Leaf green

olv3Mi = 0.0 1.0 0.0  
olv3Mo = 0.017 1.0 0.0  
LCHMi = 56.7 77.4 150  
LCHo = 51.6 72.2 150  
tchMi = 0.5 1.0 0.417  
tchMo = 0.5 1.0 0.417

#### C Cyan blue

olv3Mi = 0.0 1.0 1.0  
olv3Mo = 0.0 1.0 0.694  
LCHMi = 56.7 77.4 210  
LCHo = 56.3 59.7 210  
tchMi = 0.5 1.0 0.583  
tchMo = 0.5 1.0 0.583

#### V Violet blue

olv3Mi = 0.0 0.0 1.0  
olv3Mo = 0.0 0.507 1.0  
LCHMi = 56.7 77.4 270  
LCHo = 42.4 54.3 270  
tchMi = 0.5 1.0 0.75  
tchMo = 0.5 1.0 0.75

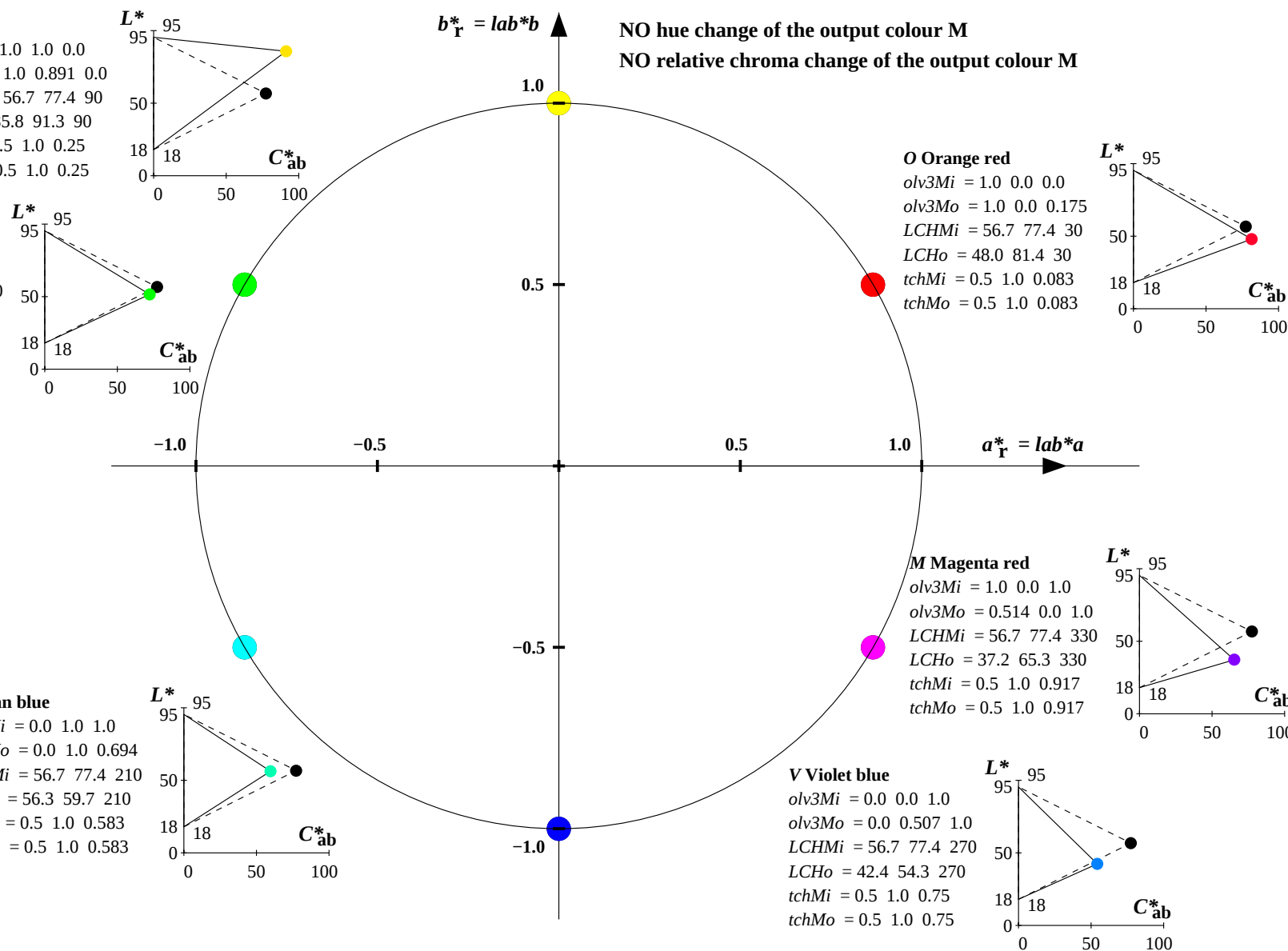
#### M Magenta red

olv3Mi = 1.0 0.0 1.0  
olv3Mo = 0.514 0.0 1.0  
LCHMi = 56.7 77.4 330  
LCHo = 37.2 65.3 330  
tchMi = 0.5 1.0 0.917  
tchMo = 0.5 1.0 0.917

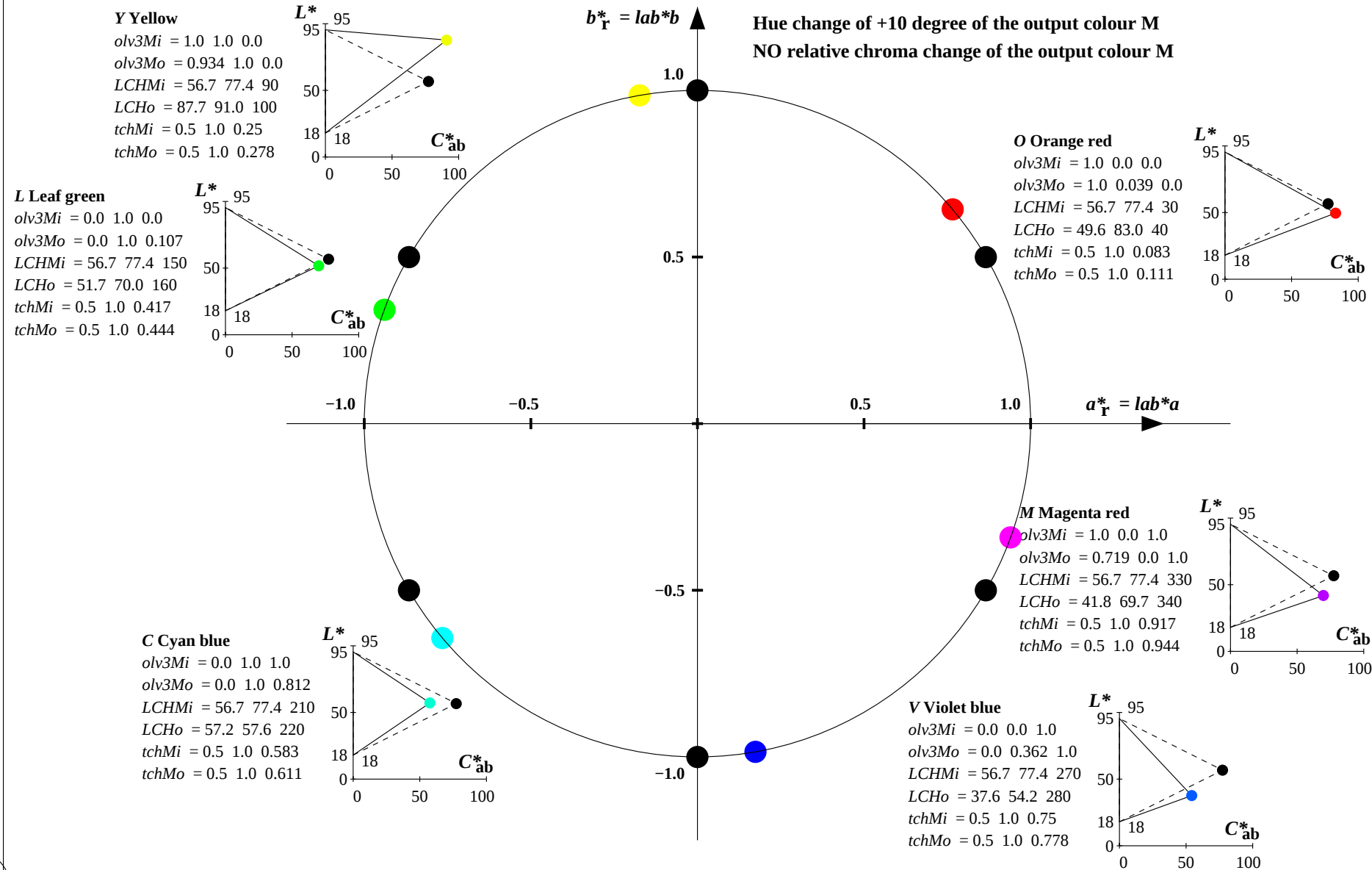
#### O Orange red

olv3Mi = 1.0 0.0 0.0  
olv3Mo = 1.0 0.0 0.175  
LCHMi = 56.7 77.4 30  
LCHo = 48.0 81.4 30  
tchMi = 0.5 1.0 0.083  
tchMo = 0.5 1.0 0.083

NO hue change of the output colour M  
NO relative chroma change of the output colour M



Relative CIELAB chroma diagram: ( $a_r^* = lab^*a$ ,  $b_r^* = lab^*b$ ) and absolute CIELAB hue triangle diagram: ( $L^*$ ,  $C_{ab}^*$ ) for input (---) and output (---)  
SRS18: Input (i) colorimetric system; Six hue angles of the colour device: (30.0, 90.0, 150.0, 210.0, 270.0, 330.0); Four hue angles of the elementary colours: (25.5, 92.3, 162.2, 271.7)  
ORS18: Output (o) colorimetric system; Six hue angles of the colour device: (37.7, 96.4, 150.9, 236.0, 305.0, 353.7); Four hue angles of the elementary colours: (24.7, 91.8, 164.5, 271.4)



YE660-7, Colour Management Workflow: Device Colour Input Data of the Colour Space SRS18 -> Device Colour Output Data of Output Space ORS18, page 3/32

BAM-test chart YE66; Colorimetric workflow SRS18->ORS18 input: olv\* setrgbcolor  
D65: 6 basic colours; Device and sample data; page 3/32 output: no change compared to input

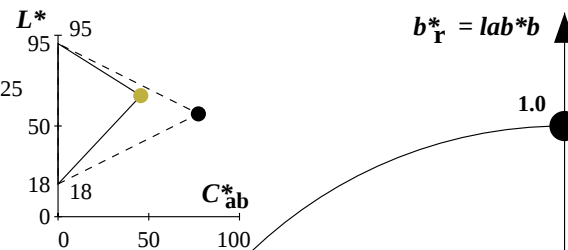
Relative CIELAB chroma diagram: ( $a_r^* = lab^*a$ ,  $b_r^* = lab^*b$ ) and absolute CIELAB hue triangle diagram: ( $L^*$ ,  $C_{ab}^*$ ) for input (—) and output (---)

SRS18: Input (i) colorimetric system; Six hue angles of the colour device: (30.0, 90.0, 150.0, 210.0, 270.0, 330.0); Four hue angles of the elementary colours: (25.5, 92.3, 162.2, 271.7)

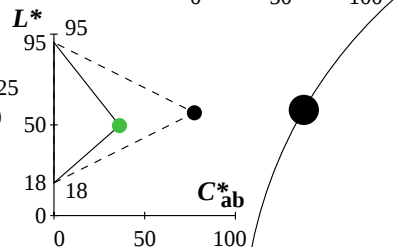
ORS18: Output (o) colorimetric system; Six hue angles of the colour device: (37.7, 96.4, 150.9, 236.0, 305.0, 353.7); Four hue angles of the elementary colours: (24.7, 91.8, 164.5, 271.4)

**Y Yellow**

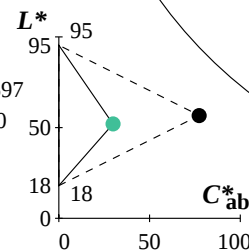
olv3Mi = 1.0 1.0 0.0  
 olv3Mo = 0.75 0.696 0.25  
 LCHMi = 56.7 77.4 90  
 LCHo = 66.7 45.6 90  
 tchMi = 0.5 1.0 0.25  
 tchMo = 0.5 0.5 0.25

**L Leaf green**

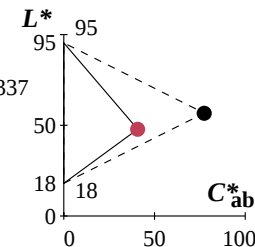
olv3Mi = 0.0 1.0 0.0  
 olv3Mo = 0.258 0.75 0.25  
 LCHMi = 56.7 77.4 150  
 LCHo = 49.6 36.1 150  
 tchMi = 0.5 1.0 0.417  
 tchMo = 0.5 0.5 0.417

**C Cyan blue**

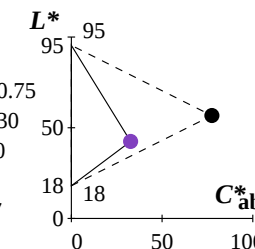
olv3Mi = 0.0 1.0 1.0  
 olv3Mo = 0.25 0.75 0.597  
 LCHMi = 56.7 77.4 210  
 LCHo = 52.0 29.8 210  
 tchMi = 0.5 1.0 0.583  
 tchMo = 0.5 0.5 0.583

**O Orange red**

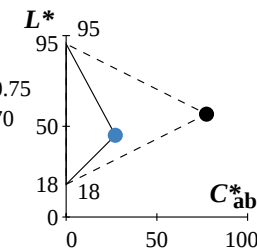
olv3Mi = 1.0 0.0 0.0  
 olv3Mo = 0.75 0.25 0.337  
 LCHMi = 56.7 77.4 30  
 LCHo = 47.8 40.7 30  
 tchMi = 0.5 1.0 0.083  
 tchMo = 0.5 0.5 0.083

**M Magenta red**

olv3Mi = 1.0 0.0 1.0  
 olv3Mo = 0.507 0.25 0.75  
 LCHMi = 56.7 77.4 330  
 LCHo = 42.5 32.6 330  
 tchMi = 0.5 1.0 0.917  
 tchMo = 0.5 0.5 0.917

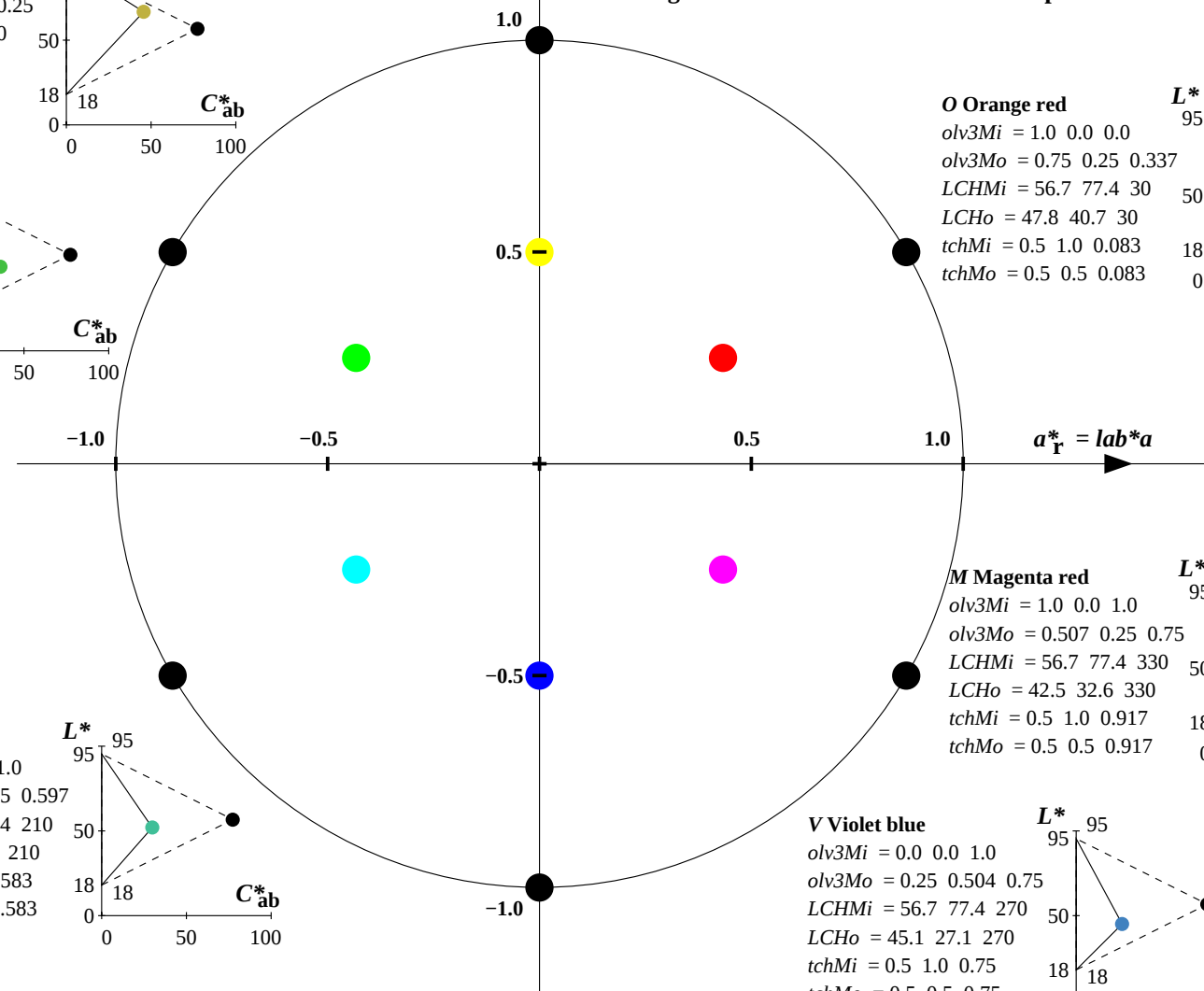
**V Violet blue**

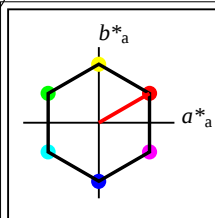
olv3Mi = 0.0 0.0 1.0  
 olv3Mo = 0.25 0.504 0.75  
 LCHMi = 56.7 77.4 270  
 LCHo = 45.1 27.1 270  
 tchMi = 0.5 1.0 0.75  
 tchMo = 0.5 0.5 0.75



NO hue change of the output colour M

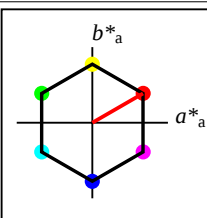
Change to half relative chroma of the output colour M





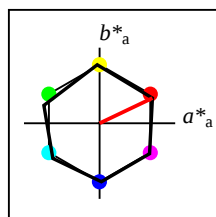
%Gamut  
 $u^*_{rel} = 100$   
%Regularity  
 $g^*_{H,rel} = 100$   
 $g^*_{C,rel} = 100$

| SRS18            | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>M</sub>   | 56.71       | 67.03   | 38.7    | 77.4         | 30           |
| Y <sub>M</sub>   | 56.71       | 0.0     | 77.4    | 77.4         | 90           |
| L <sub>M</sub>   | 56.71       | -67.02  | 38.7    | 77.4         | 150          |
| C <sub>M</sub>   | 56.71       | -67.02  | -38.69  | 77.4         | 210          |
| V <sub>M</sub>   | 56.71       | 0.0     | -77.39  | 77.4         | 270          |
| M <sub>M</sub>   | 56.71       | 67.03   | -38.69  | 77.4         | 330          |
| N <sub>M</sub>   | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>M</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          |



%Gamut  
 $u^*_{rel} = 100$   
%Regularity  
 $g^*_{H,rel} = 100$   
 $g^*_{C,rel} = 100$

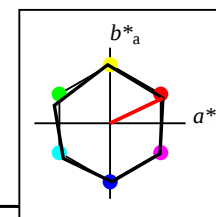
| SRS18a; adapted CIELAB data | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|-----------------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>             | 56.71       | 67.03   | 38.7    | 77.4         | 30           |
| Y <sub>Ma</sub>             | 56.71       | 0.0     | 77.4    | 77.4         | 90           |
| L <sub>Ma</sub>             | 56.71       | -67.02  | 38.7    | 77.4         | 150          |
| C <sub>Ma</sub>             | 56.71       | -67.02  | -38.69  | 77.4         | 210          |
| V <sub>Ma</sub>             | 56.71       | 0.0     | -77.39  | 77.4         | 270          |
| M <sub>Ma</sub>             | 56.71       | 67.03   | -38.69  | 77.4         | 330          |
| 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       | 58.74   | 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          |



%Gamut  
 $u^*_{rel} = 100$   
%Regularity  
 $g^*_{H,rel} = 78$   
 $g^*_{C,rel} = 100$

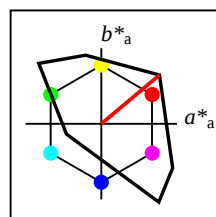
| NRS18a; adapted CIELAB data | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|-----------------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>             | 56.71       | 69.87   | 33.29   | 77.4         | 25           |
| Y <sub>Ma</sub>             | 56.71       | -3.1    | 77.34   | 77.4         | 92           |
| L <sub>Ma</sub>             | 56.71       | -73.68  | 23.63   | 77.39        | 162          |
| C <sub>Ma</sub>             | 56.71       | -61.81  | -46.54  | 77.39        | 217          |
| V <sub>Ma</sub>             | 56.71       | 2.35    | -77.34  | 77.39        | 272          |
| M <sub>Ma</sub>             | 56.71       | 66.07   | -40.3   | 77.4         | 329          |
| 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       | 58.74   | 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          |

Workflow choices  
for colour samples:  
1. No colour change  
2. Hue change  
3. Chroma change



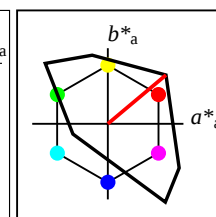
%Gamut  
 $u^*_{rel} = 100$   
%Regularity  
 $g^*_{H,rel} = 78$   
 $g^*_{C,rel} = 100$

| NRS18a; adapted CIELAB data | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|-----------------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>             | 56.71       | 69.87   | 33.29   | 77.4         | 25           |
| Y <sub>Ma</sub>             | 56.71       | -3.1    | 77.34   | 77.4         | 92           |
| L <sub>Ma</sub>             | 56.71       | -73.68  | 23.63   | 77.39        | 162          |
| C <sub>Ma</sub>             | 56.71       | -61.81  | -46.54  | 77.39        | 217          |
| V <sub>Ma</sub>             | 56.71       | 2.35    | -77.34  | 77.39        | 272          |
| M <sub>Ma</sub>             | 56.71       | 66.07   | -40.3   | 77.4         | 329          |
| 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       | 58.74   | 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          |



%Gamut  
 $u^*_{rel} = 158$   
%Regularity  
 $g^*_{H,rel} = 20$   
 $g^*_{C,rel} = 37$

| TLS00a; adapted CIELAB data | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|-----------------------------|-------------|---------|---------|--------------|--------------|
| 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       | 306          |
| 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          |



%Gamut  
 $u^*_{rel} = 158$   
%Regularity  
 $g^*_{H,rel} = 20$   
 $g^*_{C,rel} = 37$

| TLS00            | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>M</sub>   | 50.5        | 76.92   | 64.55   | 100.42       | 40           |
| Y <sub>M</sub>   | 92.66       | -20.69  | 90.75   | 93.08        | 103          |
| L <sub>M</sub>   | 83.63       | -82.75  | 79.9    | 115.04       | 136          |
| C <sub>M</sub>   | 86.88       | -46.16  | -13.55  | 48.12        | 196          |
| V <sub>M</sub>   | 30.39       | 76.06   | -103.59 | 128.52       | 306          |
| M <sub>M</sub>   | 57.3        | 94.35   | -58.41  | 110.97       | 328          |
| N <sub>M</sub>   | 0.01        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>M</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          |

Relative CIELAB chroma diagram: ( $a_r^* = lab^*a$ ,  $b_r^* = lab^*b$ ) and absolute CIELAB hue triangle diagram: ( $L^*$ ,  $C_{ab}^*$ ) for input (---) and output (---)  
SRS18: Input (i) colorimetric system; Six hue angles of the colour device: (30.0, 90.0, 150.0, 210.0, 270.0, 330.0); Four hue angles of the elementary colours: (25.5, 92.3, 162.2, 271.7)  
TLS00: Output (o) colorimetric system; Six hue angles of the colour device: (40.0, 102.8, 136.0, 196.4, 306.3, 328.2); Four hue angles of the elementary colours: (25.5, 92.3, 162.2, 271.7)

#### Y Yellow

olv3Mi = 1.0 1.0 0.0  
olv3Mo = 1.0 0.796 0.0  
LCHMi = 56.7 77.4 90  
LCHo = 84.0 94.6 90  
tchMi = 0.5 1.0 0.25  
tchMo = 0.5 1.0 0.25

#### L Leaf green

olv3Mi = 0.0 1.0 0.0  
olv3Mo = 0.0 1.0 0.232  
LCHMi = 56.7 77.4 150  
LCHo = 84.4 99.5 150  
tchMi = 0.5 1.0 0.417  
tchMo = 0.5 1.0 0.417

#### C Cyan blue

olv3Mi = 0.0 1.0 1.0  
olv3Mo = 0.0 0.876 1.0  
LCHMi = 56.7 77.4 210  
LCHo = 79.9 58.1 210  
tchMi = 0.5 1.0 0.583  
tchMo = 0.5 1.0 0.583

#### V Violet blue

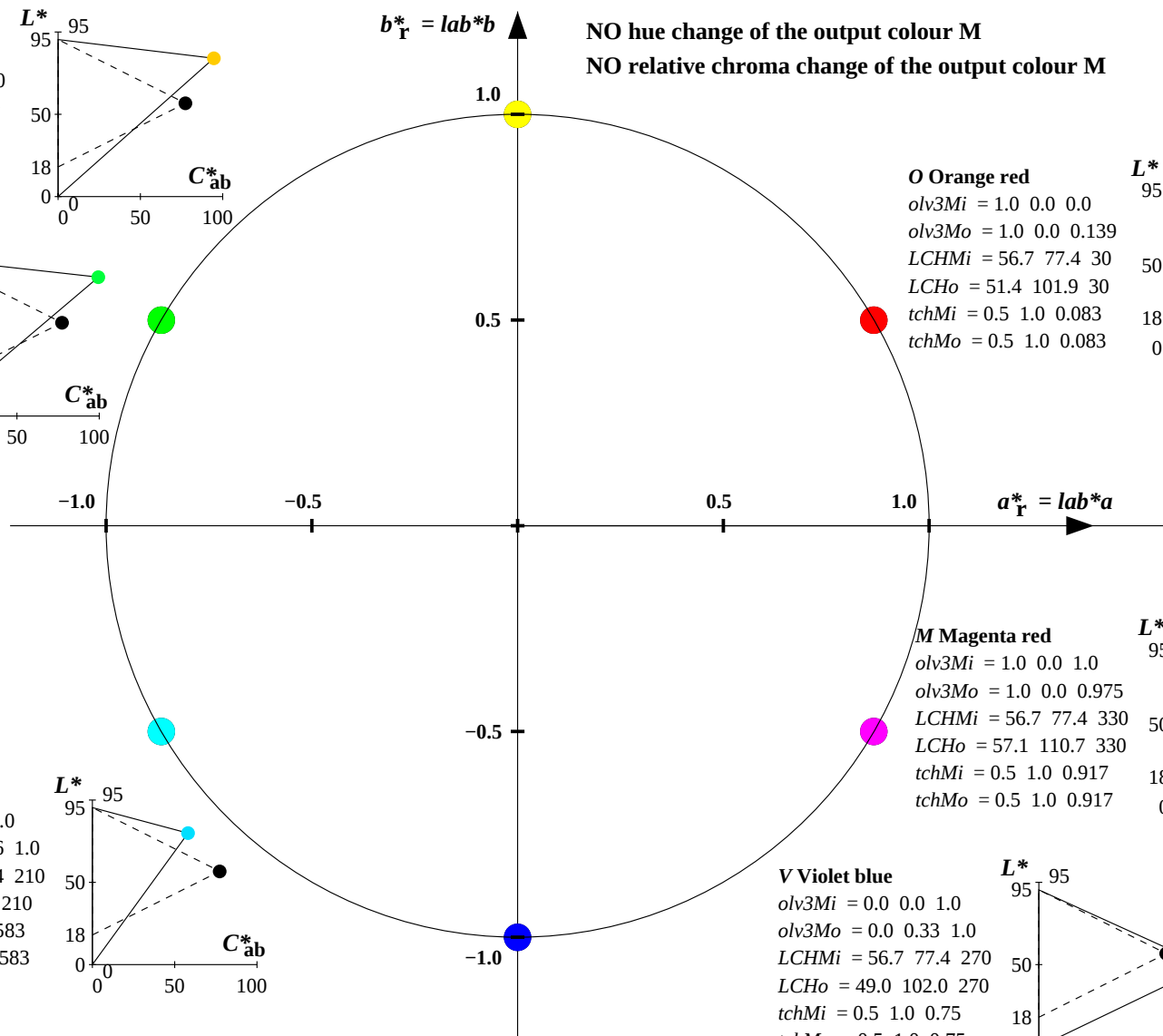
olv3Mi = 0.0 0.0 1.0  
olv3Mo = 0.0 0.33 1.0  
LCHMi = 56.7 77.4 270  
LCHo = 49.0 102.0 270  
tchMi = 0.5 1.0 0.75  
tchMo = 0.5 1.0 0.75

#### M Magenta red

olv3Mi = 1.0 0.0 1.0  
olv3Mo = 1.0 0.0 0.975  
LCHMi = 56.7 77.4 330  
LCHo = 57.1 110.7 330  
tchMi = 0.5 1.0 0.917  
tchMo = 0.5 1.0 0.917

#### O Orange red

olv3Mi = 1.0 0.0 0.0  
olv3Mo = 1.0 0.0 0.139  
LCHMi = 56.7 77.4 30  
LCHo = 51.4 101.9 30  
tchMi = 0.5 1.0 0.083  
tchMo = 0.5 1.0 0.083



Relative CIELAB chroma diagram: ( $a_r^* = lab^*a$ ,  $b_r^* = lab^*b$ ) and absolute CIELAB hue triangle diagram: ( $L^*$ ,  $C_{ab}^*$ ) for input (---) and output (---)  
SRS18: Input (i) colorimetric system; Six hue angles of the colour device: (30.0, 90.0, 150.0, 210.0, 270.0, 330.0); Four hue angles of the elementary colours: (25.5, 92.3, 162.2, 271.7)  
TLS00: Output (o) colorimetric system; Six hue angles of the colour device: (40.0, 102.8, 136.0, 196.4, 306.3, 328.2); Four hue angles of the elementary colours: (25.5, 92.3, 162.2, 271.7)

#### Y Yellow

olv3Mi = 1.0 1.0 0.0  
olv3Mo = 1.0 0.955 0.0  
LCHMi = 56.7 77.4 90  
LCHo = 90.8 93.4 100  
tchMi = 0.5 1.0 0.25  
tchMo = 0.5 1.0 0.278

#### L Leaf green

olv3Mi = 0.0 1.0 0.0  
olv3Mo = 0.0 1.0 0.398  
LCHMi = 56.7 77.4 150  
LCHo = 84.9 88.4 160  
tchMi = 0.5 1.0 0.417  
tchMo = 0.5 1.0 0.444

#### C Cyan blue

olv3Mi = 0.0 1.0 1.0  
olv3Mo = 0.0 0.785 1.0  
LCHMi = 56.7 77.4 210  
LCHo = 74.7 65.4 220  
tchMi = 0.5 1.0 0.583  
tchMo = 0.5 1.0 0.611

#### V Violet blue

olv3Mi = 0.0 0.0 1.0  
olv3Mo = 0.0 0.239 1.0  
LCHMi = 56.7 77.4 270  
LCHo = 43.9 109.3 280  
tchMi = 0.5 1.0 0.75  
tchMo = 0.5 1.0 0.778

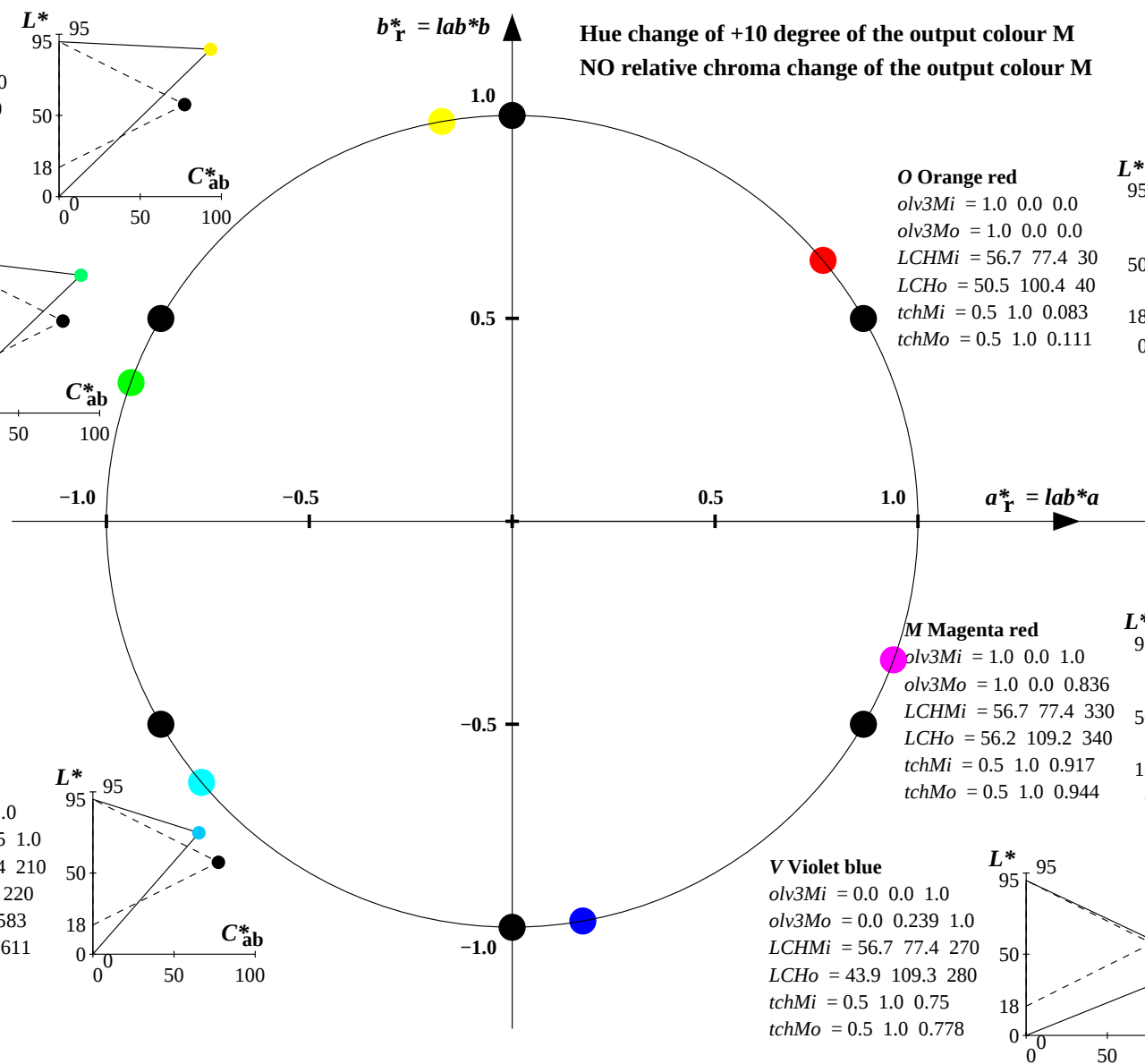
#### M Magenta red

olv3Mi = 1.0 0.0 1.0  
olv3Mo = 1.0 0.0 0.836  
LCHMi = 56.7 77.4 330  
LCHo = 56.2 109.2 340  
tchMi = 0.5 1.0 0.917  
tchMo = 0.5 1.0 0.944

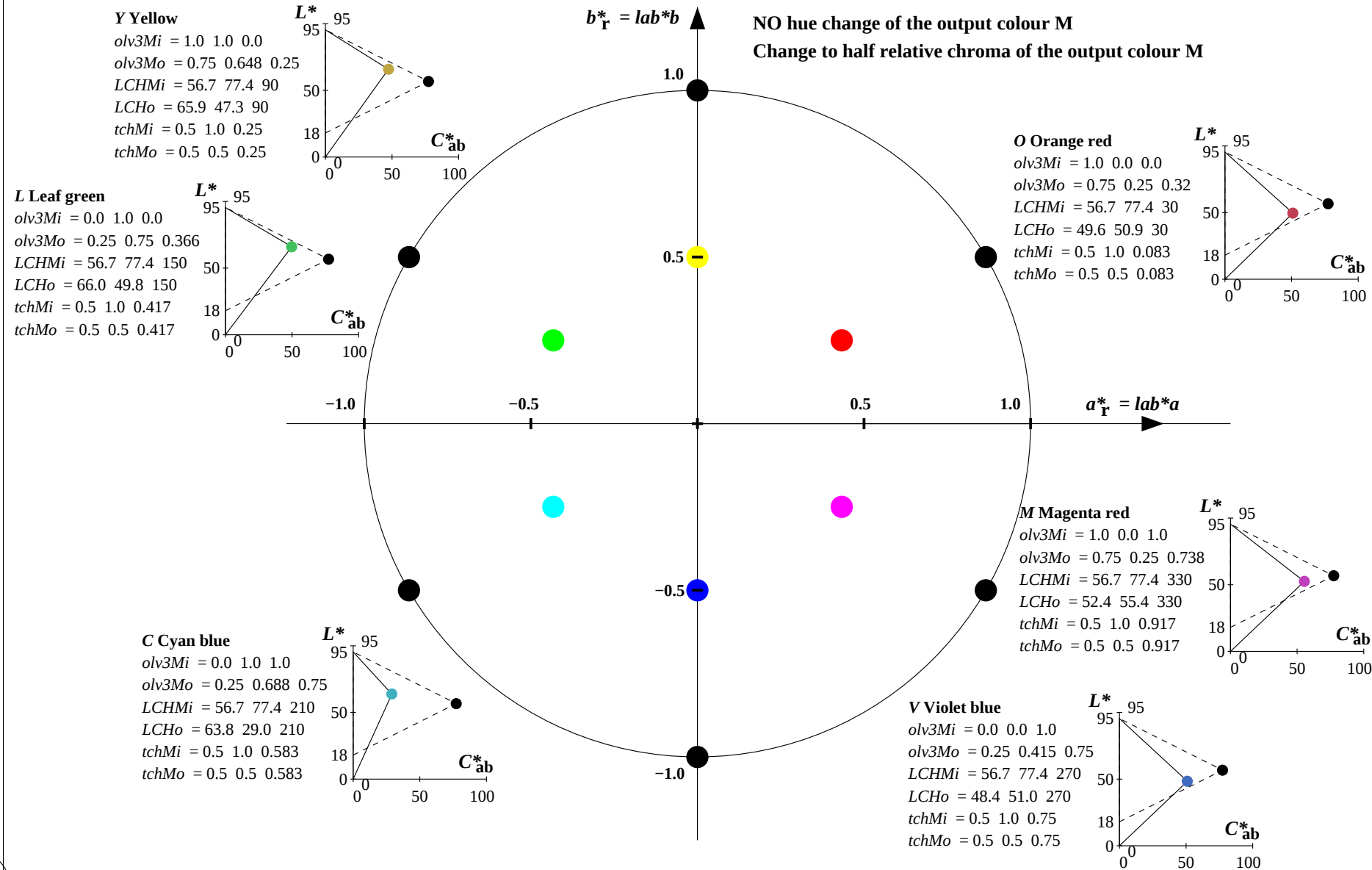
#### O Orange red

olv3Mi = 1.0 0.0 0.0  
olv3Mo = 1.0 0.0 0.0  
LCHMi = 56.7 77.4 30  
LCHo = 50.5 100.4 40  
tchMi = 0.5 1.0 0.083  
tchMo = 0.5 1.0 0.111

Hue change of +10 degree of the output colour M  
NO relative chroma change of the output colour M



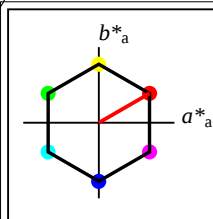
Relative CIELAB chroma diagram: ( $a_r^* = lab^*a$ ,  $b_r^* = lab^*b$ ) and absolute CIELAB hue triangle diagram: ( $L^*$ ,  $C_{ab}^*$ ) for input (---) and output (---)  
SRS18: Input (i) colorimetric system; Six hue angles of the colour device: (30.0, 90.0, 150.0, 210.0, 270.0, 330.0); Four hue angles of the elementary colours: (25.5, 92.3, 162.2, 271.7)  
TLS00: Output (o) colorimetric system; Six hue angles of the colour device: (40.0, 102.8, 136.0, 196.4, 306.3, 328.2); Four hue angles of the elementary colours: (25.5, 92.3, 162.2, 271.7)



YE660-7, Colour Management Workflow: Device Colour Input Data of the Colour Space SRS18 -> Device Colour Output Data of Output Space TLS00, page 8/32

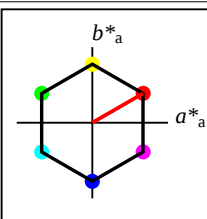
BAM-test chart YE66; Colorimetric workflow SRS18->TLS00  
D65: 6 basic colours; Device and sample data; page 8/32

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



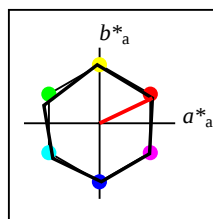
%Gamut  
 $u^*_{rel} = 100$   
%Regularity  
 $g^*_{H,rel} = 100$   
 $g^*_{C,rel} = 100$

| SRS18            | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>M</sub>   | 56.71       | 67.03   | 38.7    | 77.4         | 30           |
| Y <sub>M</sub>   | 56.71       | 0.0     | 77.4    | 77.4         | 90           |
| L <sub>M</sub>   | 56.71       | -67.02  | 38.7    | 77.4         | 150          |
| C <sub>M</sub>   | 56.71       | -67.02  | -38.69  | 77.4         | 210          |
| V <sub>M</sub>   | 56.71       | 0.0     | -77.39  | 77.4         | 270          |
| M <sub>M</sub>   | 56.71       | 67.03   | -38.69  | 77.4         | 330          |
| N <sub>M</sub>   | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>M</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          |



%Gamut  
 $u^*_{rel} = 100$   
%Regularity  
 $g^*_{H,rel} = 100$   
 $g^*_{C,rel} = 100$

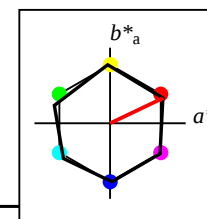
| SRS18a; adapted CIELAB data | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|-----------------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>             | 56.71       | 67.03   | 38.7    | 77.4         | 30           |
| Y <sub>Ma</sub>             | 56.71       | 0.0     | 77.4    | 77.4         | 90           |
| L <sub>Ma</sub>             | 56.71       | -67.02  | 38.7    | 77.4         | 150          |
| C <sub>Ma</sub>             | 56.71       | -67.02  | -38.69  | 77.4         | 210          |
| V <sub>Ma</sub>             | 56.71       | 0.0     | -77.39  | 77.4         | 270          |
| M <sub>Ma</sub>             | 56.71       | 67.03   | -38.69  | 77.4         | 330          |
| 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       | 58.74   | 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          |



%Gamut  
 $u^*_{rel} = 100$   
%Regularity  
 $g^*_{H,rel} = 78$   
 $g^*_{C,rel} = 100$

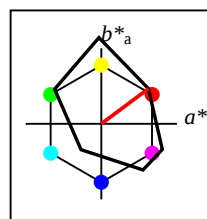
| NRS18a; adapted CIELAB data | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|-----------------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>             | 56.71       | 69.87   | 33.29   | 77.4         | 25           |
| Y <sub>Ma</sub>             | 56.71       | -3.1    | 77.34   | 77.4         | 92           |
| L <sub>Ma</sub>             | 56.71       | -73.68  | 23.63   | 77.39        | 162          |
| C <sub>Ma</sub>             | 56.71       | -61.81  | -46.54  | 77.39        | 217          |
| V <sub>Ma</sub>             | 56.71       | 2.35    | -77.34  | 77.39        | 272          |
| M <sub>Ma</sub>             | 56.71       | 66.07   | -40.3   | 77.4         | 329          |
| 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       | 58.74   | 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          |

Workflow choices  
for colour samples:  
1. No colour change  
2. Hue change  
3. Chroma change



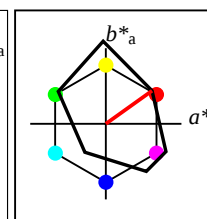
%Gamut  
 $u^*_{rel} = 100$   
%Regularity  
 $g^*_{H,rel} = 78$   
 $g^*_{C,rel} = 100$

| NRS18a; adapted CIELAB data | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|-----------------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>             | 56.71       | 69.87   | 33.29   | 77.4         | 25           |
| Y <sub>Ma</sub>             | 56.71       | -3.1    | 77.34   | 77.4         | 92           |
| L <sub>Ma</sub>             | 56.71       | -73.68  | 23.63   | 77.39        | 162          |
| C <sub>Ma</sub>             | 56.71       | -61.81  | -46.54  | 77.39        | 217          |
| V <sub>Ma</sub>             | 56.71       | 2.35    | -77.34  | 77.39        | 272          |
| M <sub>Ma</sub>             | 56.71       | 66.07   | -40.3   | 77.4         | 329          |
| 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       | 58.74   | 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          |



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

| FRS06a; adapted 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  
 $u^*_{rel} = 114$   
%Regularity  
 $g^*_{H,rel} = 28$   
 $g^*_{C,rel} = 43$

| FRS06            | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>M</sub>   | 32.57       | 61.14   | 43.72   | 75.16        | 36           |
| Y <sub>M</sub>   | 82.73       | -3.5    | 109.24  | 109.3        | 92           |
| L <sub>M</sub>   | 39.43       | -62.86  | 42.8    | 76.06        | 146          |
| C <sub>M</sub>   | 47.86       | -27.72  | -37.61  | 46.74        | 234          |
| V <sub>M</sub>   | 10.16       | 53.56   | -62.91  | 82.63        | 310          |
| M <sub>M</sub>   | 34.5        | 79.53   | -36.76  | 87.62        | 335          |
| N <sub>M</sub>   | 6.25        | -1.62   | -1.72   | 2.38         | 227          |
| W <sub>M</sub>   | 91.97       | -0.17   | -5.1    | 5.11         | 268          |
| 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          |

Relative CIELAB chroma diagram: ( $a_r^* = lab^*a$ ,  $b_r^* = lab^*b$ ) and absolute CIELAB hue triangle diagram: ( $L^*$ ,  $C_{ab}^*$ ) for input (---) and output (---)  
SRS18: Input (i) colorimetric system; Six hue angles of the colour device: (30.0, 90.0, 150.0, 210.0, 270.0, 330.0); Four hue angles of the elementary colours: (25.5, 92.3, 162.2, 271.7)  
FRS06: Output (o) colorimetric system; Six hue angles of the colour device: (36.7, 91.6, 143.4, 232.0, 312.1, 337.2); Four hue angles of the elementary colours: (27.4, 91.9, 157.6, 273.4)

#### Y Yellow

olv3Mi = 1.0 1.0 0.0  
olv3Mo = 1.0 0.971 0.0  
LCHMi = 56.7 77.4 90  
LCHo = 81.3 113.0 90  
tchMi = 0.5 1.0 0.25  
tchMo = 0.5 1.0 0.25

#### L Leaf green

olv3Mi = 0.0 1.0 0.0  
olv3Mo = 0.0 1.0 0.074  
LCHMi = 56.7 77.4 150  
LCHo = 40.1 74.5 150  
tchMi = 0.5 1.0 0.417  
tchMo = 0.5 1.0 0.417

#### C Cyan blue

olv3Mi = 0.0 1.0 1.0  
olv3Mo = 0.0 1.0 0.752  
LCHMi = 56.7 77.4 210  
LCHo = 45.8 51.8 210  
tchMi = 0.5 1.0 0.583  
tchMo = 0.5 1.0 0.583

#### V Violet blue

olv3Mi = 0.0 0.0 1.0  
olv3Mo = 0.0 0.525 1.0  
LCHMi = 56.7 77.4 270  
LCHo = 30.0 61.9 270  
tchMi = 0.5 1.0 0.75  
tchMo = 0.5 1.0 0.75

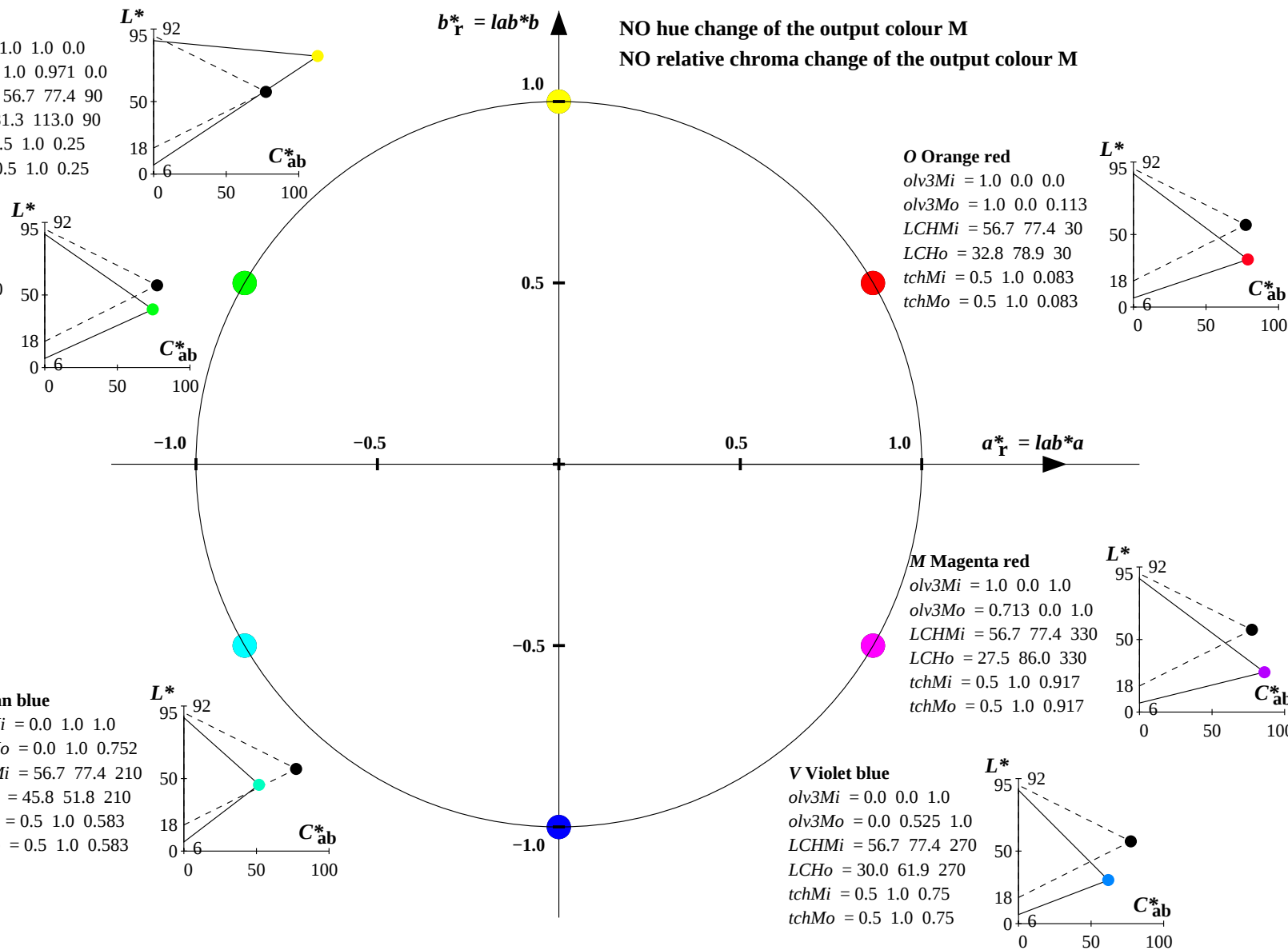
#### M Magenta red

olv3Mi = 1.0 0.0 1.0  
olv3Mo = 0.713 0.0 1.0  
LCHMi = 56.7 77.4 330  
LCHo = 27.5 86.0 330  
tchMi = 0.5 1.0 0.917  
tchMo = 0.5 1.0 0.917

#### O Orange red

olv3Mi = 1.0 0.0 0.0  
olv3Mo = 1.0 0.0 0.113  
LCHMi = 56.7 77.4 30  
LCHo = 32.8 78.9 30  
tchMi = 0.5 1.0 0.083  
tchMo = 0.5 1.0 0.083

NO hue change of the output colour M  
NO relative chroma change of the output colour M



Relative CIELAB chroma diagram: ( $a_r^* = lab^*a$ ,  $b_r^* = lab^*b$ ) and absolute CIELAB hue triangle diagram: ( $L^*$ ,  $C_{ab}^*$ ) for input (---) and output (---)  
SRS18: Input (i) colorimetric system; Six hue angles of the colour device: (30.0, 90.0, 150.0, 210.0, 270.0, 330.0); Four hue angles of the elementary colours: (25.5, 92.3, 162.2, 271.7)  
FRS06: Output (o) colorimetric system; Six hue angles of the colour device: (36.7, 91.6, 143.4, 232.0, 312.1, 337.2); Four hue angles of the elementary colours: (27.4, 91.9, 157.6, 273.4)

#### Y Yellow

olv3Mi = 1.0 1.0 0.0  
olv3Mo = 0.838 1.0 0.0  
LCHMi = 56.7 77.4 90  
LCHo = 75.7 108.0 100  
tchMi = 0.5 1.0 0.25  
tchMo = 0.5 1.0 0.278

#### L Leaf green

olv3Mi = 0.0 1.0 0.0  
olv3Mo = 0.0 1.0 0.187  
LCHMi = 56.7 77.4 150  
LCHo = 41.0 70.7 160  
tchMi = 0.5 1.0 0.417  
tchMo = 0.5 1.0 0.444

#### C Cyan blue

olv3Mi = 0.0 1.0 1.0  
olv3Mo = 0.0 1.0 0.865  
LCHMi = 56.7 77.4 210  
LCHo = 46.7 48.0 220  
tchMi = 0.5 1.0 0.583  
tchMo = 0.5 1.0 0.611

#### V Violet blue

olv3Mi = 0.0 0.0 1.0  
olv3Mo = 0.0 0.4 1.0  
LCHMi = 56.7 77.4 270  
LCHo = 25.3 66.7 280  
tchMi = 0.5 1.0 0.75  
tchMo = 0.5 1.0 0.778

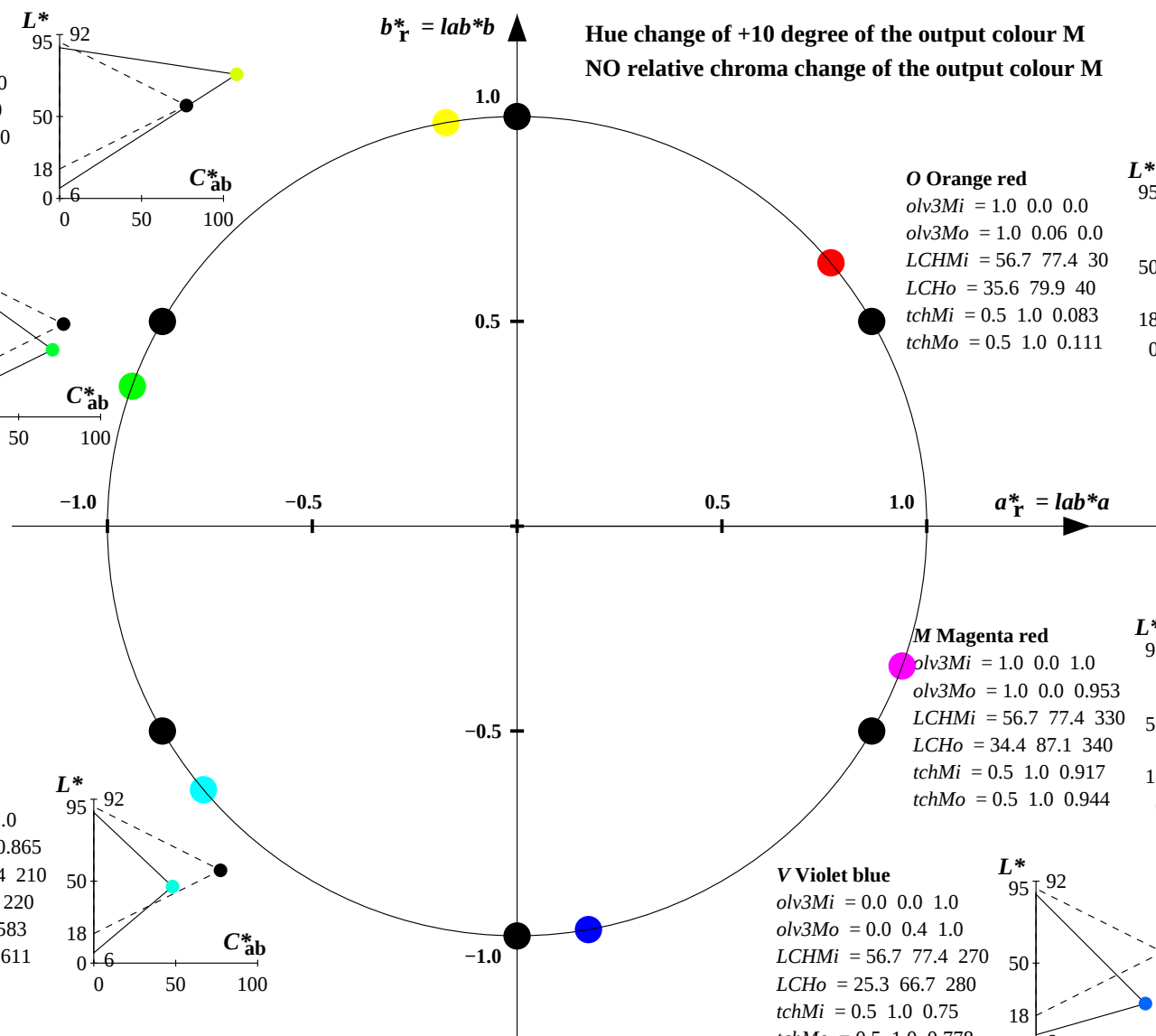
#### M Magenta red

olv3Mi = 1.0 0.0 1.0  
olv3Mo = 1.0 0.0 0.953  
LCHMi = 56.7 77.4 330  
LCHo = 34.4 87.1 340  
tchMi = 0.5 1.0 0.917  
tchMo = 0.5 1.0 0.944

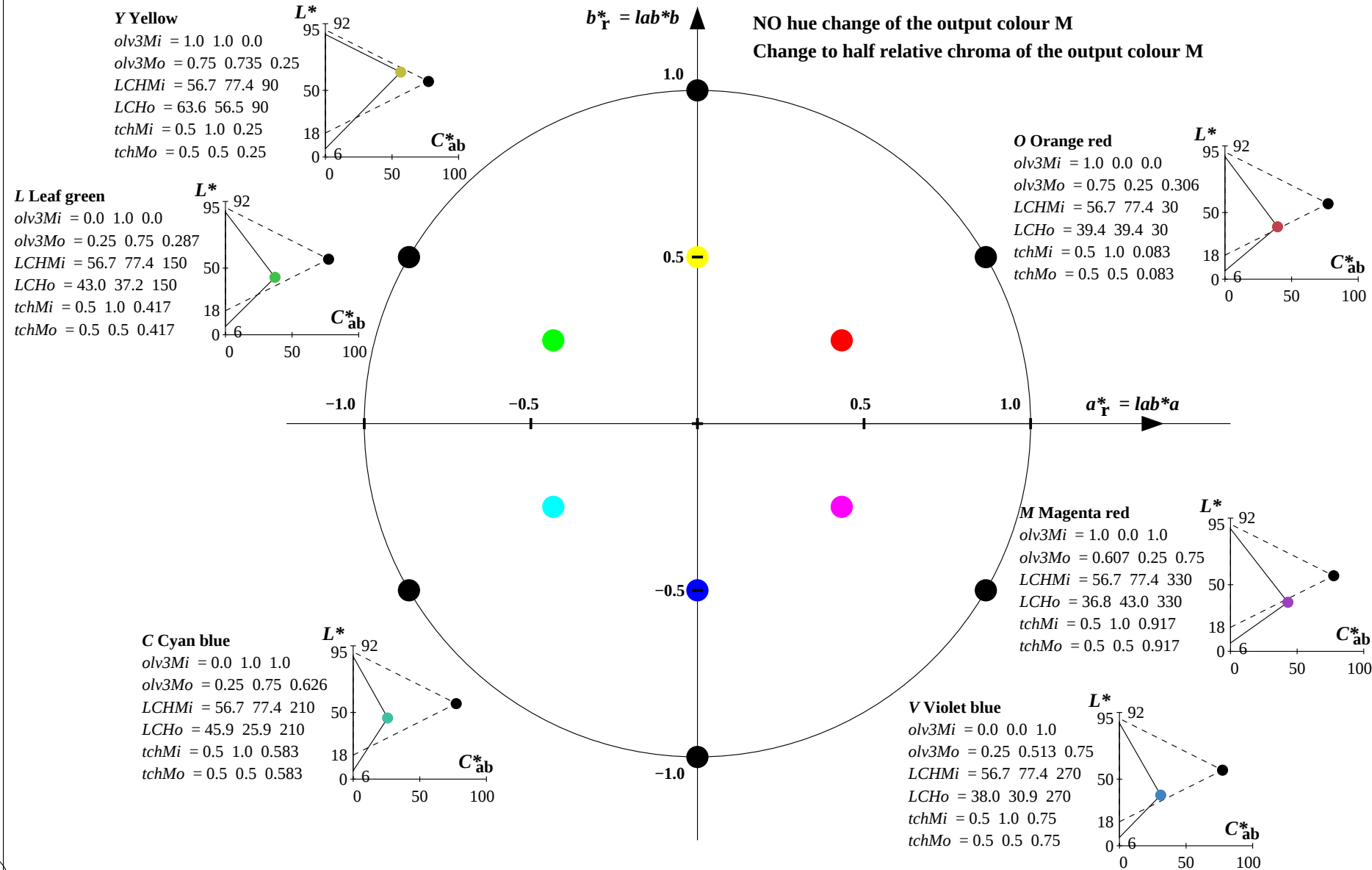
#### O Orange red

olv3Mi = 1.0 0.0 0.0  
olv3Mo = 1.0 0.06 0.0  
LCHMi = 56.7 77.4 30  
LCHo = 35.6 79.9 40  
tchMi = 0.5 1.0 0.083  
tchMo = 0.5 1.0 0.111

Hue change of +10 degree of the output colour M  
NO relative chroma change of the output colour M



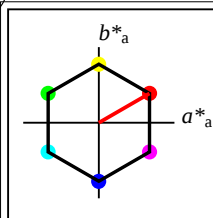
Relative CIELAB chroma diagram: ( $a_r^* = lab^*a$ ,  $b_r^* = lab^*b$ ) and absolute CIELAB hue triangle diagram: ( $L^*$ ,  $C_{ab}^*$ ) for input (---) and output (---)  
SRS18: Input (i) colorimetric system; Six hue angles of the colour device: (30.0, 90.0, 150.0, 210.0, 270.0, 330.0); Four hue angles of the elementary colours: (25.5, 92.3, 162.2, 271.7)  
FRS06: Output (o) colorimetric system; Six hue angles of the colour device: (36.7, 91.6, 143.4, 232.0, 312.1, 337.2); Four hue angles of the elementary colours: (27.4, 91.9, 157.6, 273.4)



YE660-7, Colour Management Workflow: Device Colour Input Data of the Colour Space SRS18 -> Device Colour Output Data of Output Space FRS06, page 12/32

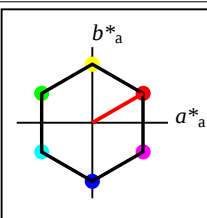
BAM-test chart YE66; Colorimetric workflow SRS18->FRS06  
D65: 6 basic colours; Device and sample data; page 12/32

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



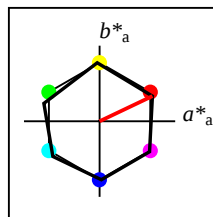
%Gamut  
 $u^*_{rel} = 100$   
%Regularity  
 $g^*_{H,rel} = 100$   
 $g^*_{C,rel} = 100$

| SRS18            | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>M</sub>   | 56.71       | 67.03   | 38.7    | 77.4         | 30           |
| Y <sub>M</sub>   | 56.71       | 0.0     | 77.4    | 77.4         | 90           |
| L <sub>M</sub>   | 56.71       | -67.02  | 38.7    | 77.4         | 150          |
| C <sub>M</sub>   | 56.71       | -67.02  | -38.69  | 77.4         | 210          |
| V <sub>M</sub>   | 56.71       | 0.0     | -77.39  | 77.4         | 270          |
| M <sub>M</sub>   | 56.71       | 67.03   | -38.69  | 77.4         | 330          |
| N <sub>M</sub>   | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>M</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          |



%Gamut  
 $u^*_{rel} = 100$   
%Regularity  
 $g^*_{H,rel} = 100$   
 $g^*_{C,rel} = 100$

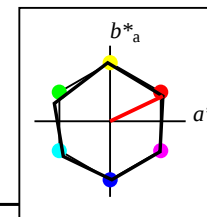
| SRS18a; adapted CIELAB data | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|-----------------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>             | 56.71       | 67.03   | 38.7    | 77.4         | 30           |
| Y <sub>Ma</sub>             | 56.71       | 0.0     | 77.4    | 77.4         | 90           |
| L <sub>Ma</sub>             | 56.71       | -67.02  | 38.7    | 77.4         | 150          |
| C <sub>Ma</sub>             | 56.71       | -67.02  | -38.69  | 77.4         | 210          |
| V <sub>Ma</sub>             | 56.71       | 0.0     | -77.39  | 77.4         | 270          |
| M <sub>Ma</sub>             | 56.71       | 67.03   | -38.69  | 77.4         | 330          |
| 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       | 58.74   | 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          |



%Gamut  
 $u^*_{rel} = 100$   
%Regularity  
 $g^*_{H,rel} = 78$   
 $g^*_{C,rel} = 100$

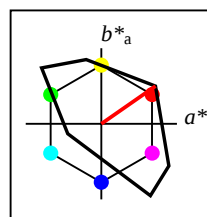
| NRS18a; adapted CIELAB data | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|-----------------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>             | 56.71       | 69.87   | 33.29   | 77.4         | 25           |
| Y <sub>Ma</sub>             | 56.71       | -3.1    | 77.34   | 77.4         | 92           |
| L <sub>Ma</sub>             | 56.71       | -73.68  | 23.63   | 77.39        | 162          |
| C <sub>Ma</sub>             | 56.71       | -61.81  | -46.54  | 77.39        | 217          |
| V <sub>Ma</sub>             | 56.71       | 2.35    | -77.34  | 77.39        | 272          |
| M <sub>Ma</sub>             | 56.71       | 66.07   | -40.3   | 77.4         | 329          |
| 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       | 58.74   | 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          |

Workflow choices  
for colour samples:  
1. No colour change  
2. Hue change  
3. Chroma change



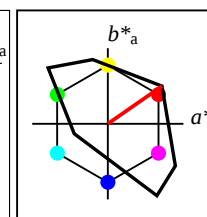
%Gamut  
 $u^*_{rel} = 100$   
%Regularity  
 $g^*_{H,rel} = 78$   
 $g^*_{C,rel} = 100$

| NRS18a; adapted CIELAB data | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|-----------------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>             | 56.71       | 69.87   | 33.29   | 77.4         | 25           |
| Y <sub>Ma</sub>             | 56.71       | -3.1    | 77.34   | 77.4         | 92           |
| L <sub>Ma</sub>             | 56.71       | -73.68  | 23.63   | 77.39        | 162          |
| C <sub>Ma</sub>             | 56.71       | -61.81  | -46.54  | 77.39        | 217          |
| V <sub>Ma</sub>             | 56.71       | 2.35    | -77.34  | 77.39        | 272          |
| M <sub>Ma</sub>             | 56.71       | 66.07   | -40.3   | 77.4         | 329          |
| 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       | 58.74   | 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          |



%Gamut  
 $u^*_{rel} = 118$   
%Regularity  
 $g^*_{H,rel} = 22$   
 $g^*_{C,rel} = 40$

| TLS18a; adapted CIELAB data | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|-----------------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>             | 52.76       | 71.63   | 49.88   | 87.29        | 35           |
| Y <sub>Ma</sub>             | 92.74       | -20.02  | 84.97   | 87.3         | 103          |
| L <sub>Ma</sub>             | 84.0        | -78.98  | 73.94   | 108.2        | 137          |
| C <sub>Ma</sub>             | 87.14       | -44.41  | -13.11  | 46.32        | 196          |
| V <sub>Ma</sub>             | 35.47       | 64.92   | -95.06  | 115.12       | 304          |
| M <sub>Ma</sub>             | 59.01       | 89.33   | -55.67  | 105.26       | 328          |
| 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       | 58.74   | 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          |



%Gamut  
 $u^*_{rel} = 118$   
%Regularity  
 $g^*_{H,rel} = 22$   
 $g^*_{C,rel} = 40$

| TLS18            | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>M</sub>   | 52.76       | 71.63   | 49.88   | 87.29        | 35           |
| Y <sub>M</sub>   | 92.74       | -20.02  | 84.97   | 87.3         | 103          |
| L <sub>M</sub>   | 84.0        | -78.98  | 73.94   | 108.2        | 137          |
| C <sub>M</sub>   | 87.14       | -44.41  | -13.11  | 46.32        | 196          |
| V <sub>M</sub>   | 35.47       | 64.92   | -95.06  | 115.12       | 304          |
| M <sub>M</sub>   | 59.01       | 89.33   | -55.67  | 105.26       | 328          |
| N <sub>M</sub>   | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>M</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          |

Relative CIELAB chroma diagram: ( $a_r^* = lab^*a$ ,  $b_r^* = lab^*b$ ) and absolute CIELAB hue triangle diagram: ( $L^*$ ,  $C_{ab}^*$ ) for input (---) and output (---)  
SRS18: Input (i) colorimetric system; Six hue angles of the colour device: (30.0, 90.0, 150.0, 210.0, 270.0, 330.0); Four hue angles of the elementary colours: (25.5, 92.3, 162.2, 271.7)  
TLS18: Output (o) colorimetric system; Six hue angles of the colour device: (34.9, 103.3, 136.9, 196.5, 304.3, 328.1); Four hue angles of the elementary colours: (25.5, 92.3, 162.2, 271.7)

#### Y Yellow

olv3Mi = 1.0 1.0 0.0  
olv3Mo = 1.0 0.806 0.0  
LCHMi = 56.7 77.4 90  
LCHo = 85.0 87.3 90  
tchMi = 0.5 1.0 0.25  
tchMo = 0.5 1.0 0.25

#### L Leaf green

olv3Mi = 0.0 1.0 0.0  
olv3Mo = 0.0 1.0 0.22  
LCHMi = 56.7 77.4 150  
LCHo = 84.7 94.6 150  
tchMi = 0.5 1.0 0.417  
tchMo = 0.5 1.0 0.417

#### C Cyan blue

olv3Mi = 0.0 1.0 1.0  
olv3Mo = 0.0 0.874 1.0  
LCHMi = 56.7 77.4 210  
LCHo = 80.7 55.0 210  
tchMi = 0.5 1.0 0.583  
tchMo = 0.5 1.0 0.583

#### V Violet blue

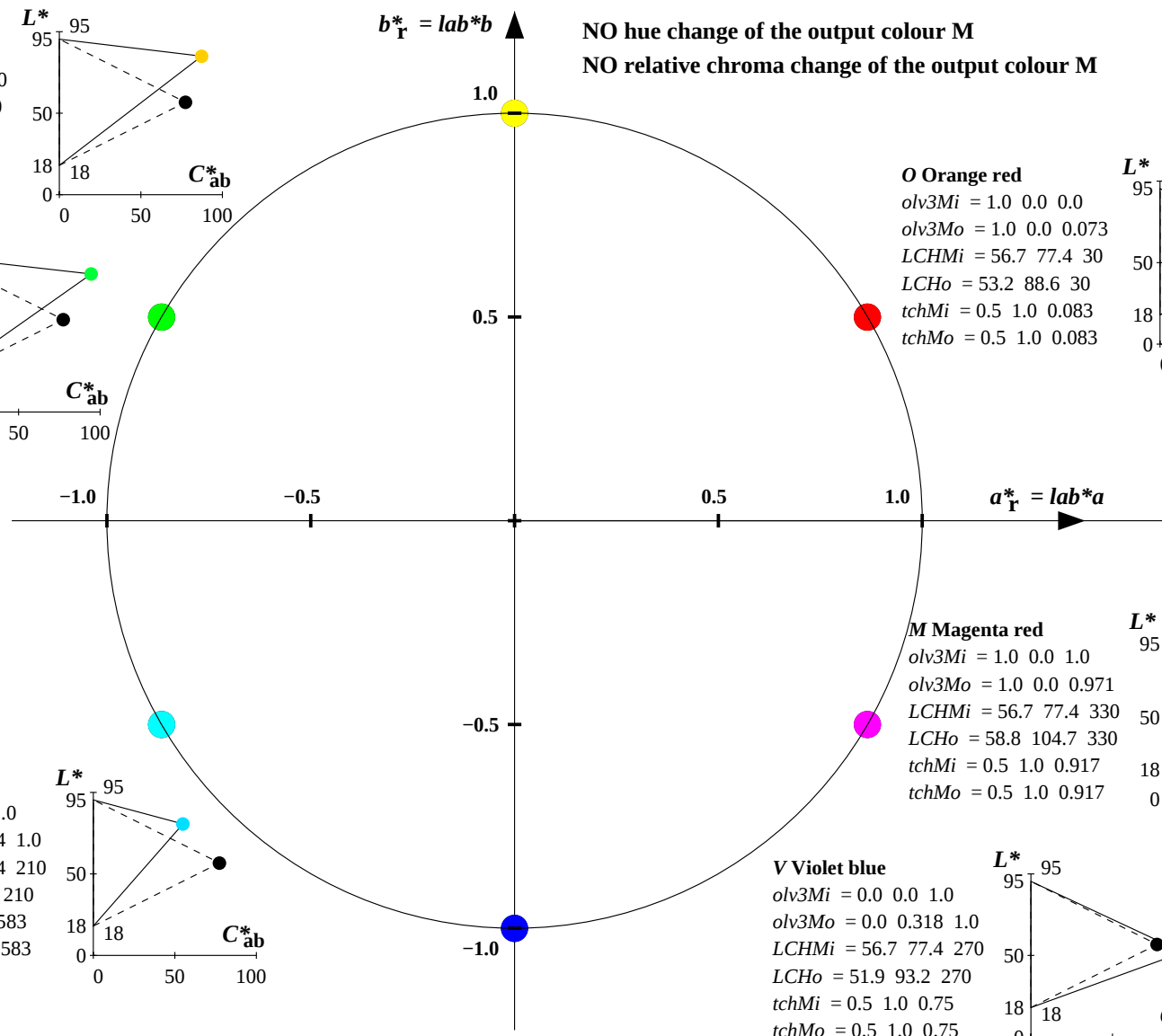
olv3Mi = 0.0 0.0 1.0  
olv3Mo = 0.0 0.318 1.0  
LCHMi = 56.7 77.4 270  
LCHo = 51.9 93.2 270  
tchMi = 0.5 1.0 0.75  
tchMo = 0.5 1.0 0.75

#### M Magenta red

olv3Mi = 1.0 0.0 1.0  
olv3Mo = 1.0 0.0 0.971  
LCHMi = 56.7 77.4 330  
LCHo = 58.8 104.7 330  
tchMi = 0.5 1.0 0.917  
tchMo = 0.5 1.0 0.917

#### O Orange red

olv3Mi = 1.0 0.0 0.0  
olv3Mo = 1.0 0.0 0.073  
LCHMi = 56.7 77.4 30  
LCHo = 53.2 88.6 30  
tchMi = 0.5 1.0 0.083  
tchMo = 0.5 1.0 0.083



Relative CIELAB chroma diagram: ( $a_r^* = lab^*a$ ,  $b_r^* = lab^*b$ ) and absolute CIELAB hue triangle diagram: ( $L^*$ ,  $C_{ab}^*$ ) for input (---) and output (---)  
SRS18: Input (i) colorimetric system; Six hue angles of the colour device: (30.0, 90.0, 150.0, 210.0, 270.0, 330.0); Four hue angles of the elementary colours: (25.5, 92.3, 162.2, 271.7)  
TLS18: Output (o) colorimetric system; Six hue angles of the colour device: (34.9, 103.3, 136.9, 196.5, 304.3, 328.1); Four hue angles of the elementary colours: (25.5, 92.3, 162.2, 271.7)

#### Y Yellow

olv3Mi = 1.0 1.0 0.0  
olv3Mo = 1.0 0.952 0.0  
LCHMi = 56.7 77.4 90  
LCHo = 90.8 87.3 100  
tchMi = 0.5 1.0 0.25  
tchMo = 0.5 1.0 0.278

#### L Leaf green

olv3Mi = 0.0 1.0 0.0  
olv3Mo = 0.0 1.0 0.388  
LCHMi = 56.7 77.4 150  
LCHo = 85.2 84.2 160  
tchMi = 0.5 1.0 0.417  
tchMo = 0.5 1.0 0.444

#### C Cyan blue

olv3Mi = 0.0 1.0 1.0  
olv3Mo = 0.0 0.782 1.0  
LCHMi = 56.7 77.4 210  
LCHo = 75.9 61.3 220  
tchMi = 0.5 1.0 0.583  
tchMo = 0.5 1.0 0.611

#### V Violet blue

olv3Mi = 0.0 0.0 1.0  
olv3Mo = 0.0 0.225 1.0  
LCHMi = 56.7 77.4 270  
LCHo = 47.1 99.6 280  
tchMi = 0.5 1.0 0.75  
tchMo = 0.5 1.0 0.778

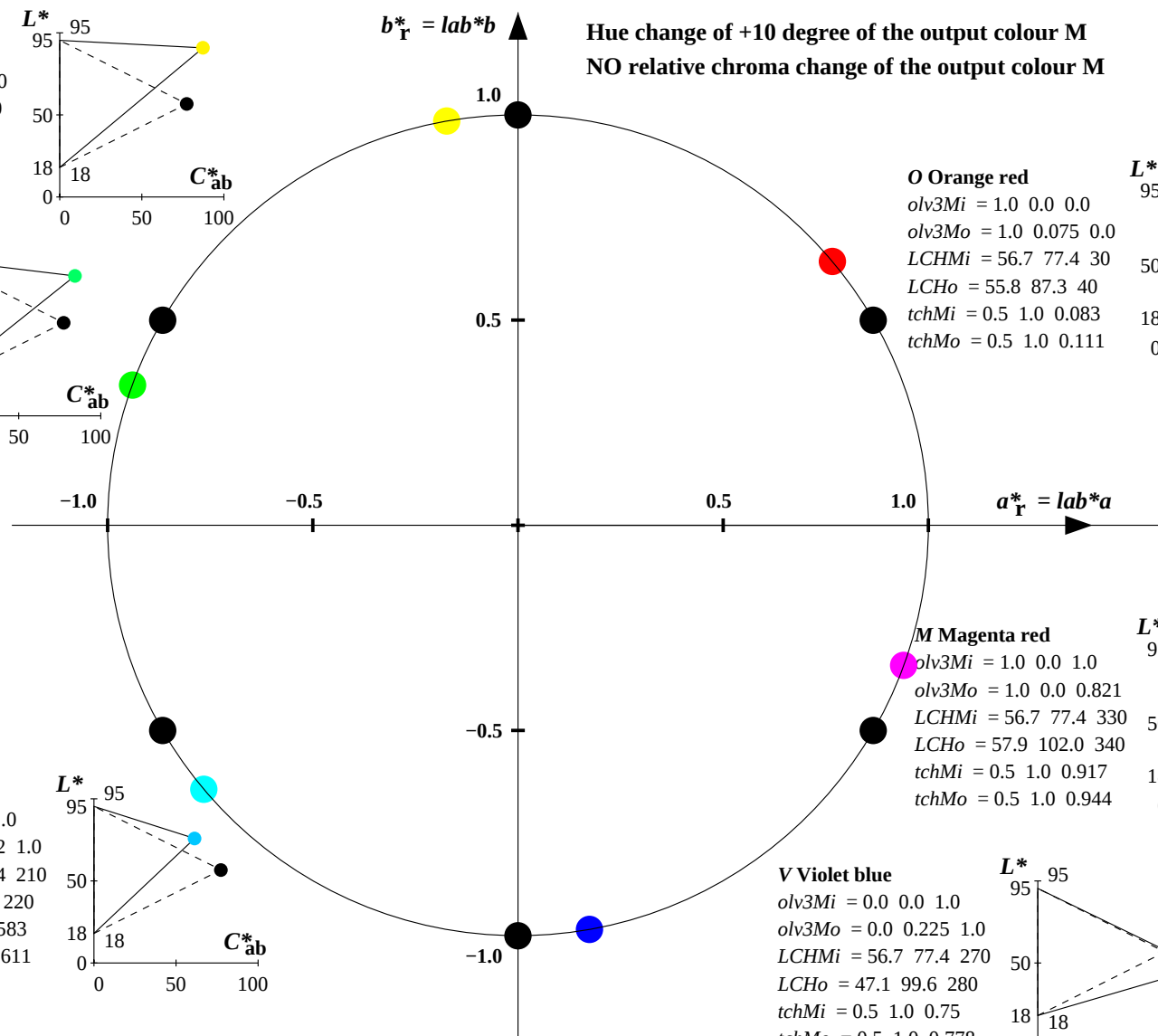
#### M Magenta red

olv3Mi = 1.0 0.0 1.0  
olv3Mo = 1.0 0.0 0.821  
LCHMi = 56.7 77.4 330  
LCHo = 57.9 102.0 340  
tchMi = 0.5 1.0 0.917  
tchMo = 0.5 1.0 0.944

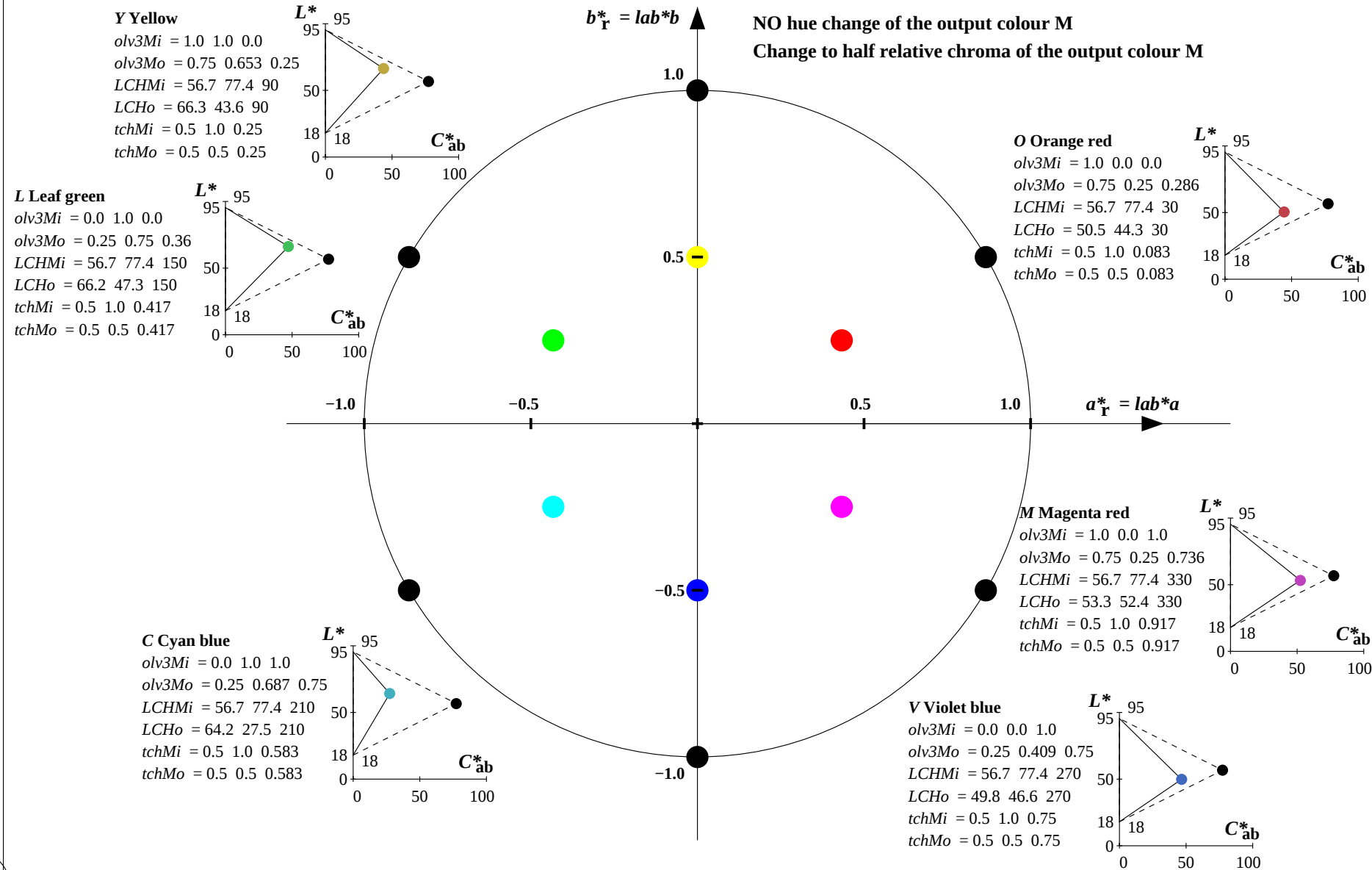
#### O Orange red

olv3Mi = 1.0 0.0 0.0  
olv3Mo = 1.0 0.075 0.0  
LCHMi = 56.7 77.4 30  
LCHo = 55.8 87.3 40  
tchMi = 0.5 1.0 0.083  
tchMo = 0.5 1.0 0.111

Hue change of +10 degree of the output colour M  
NO relative chroma change of the output colour M



Relative CIELAB chroma diagram: ( $a_r^* = lab^*a$ ,  $b_r^* = lab^*b$ ) and absolute CIELAB hue triangle diagram: ( $L^*$ ,  $C_{ab}^*$ ) for input (---) and output (---)  
SRS18: Input (i) colorimetric system; Six hue angles of the colour device: (30.0, 90.0, 150.0, 210.0, 270.0, 330.0); Four hue angles of the elementary colours: (25.5, 92.3, 162.2, 271.7)  
TLS18: Output (o) colorimetric system; Six hue angles of the colour device: (34.9, 103.3, 136.9, 196.5, 304.3, 328.1); Four hue angles of the elementary colours: (25.5, 92.3, 162.2, 271.7)



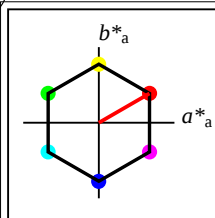
YE660-7, Colour Management Workflow: Device Colour Input Data of the Colour Space SRS18 -> Device Colour Output Data of Output Space TLS18, page 16/32

BAM-test chart YE66; Colorimetric workflow SRS18->TLS18

D65: 6 basic colours; Device and sample data; page 16/32

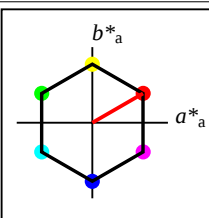
input: olv\* setrgbcolor

output: no change compared to input



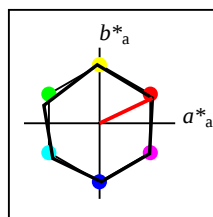
%Gamut  
 $u^*_{rel} = 100$   
%Regularity  
 $g^*_{H,rel} = 100$   
 $g^*_{C,rel} = 100$

| SRS18            | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>M</sub>   | 56.71       | 67.03   | 38.7    | 77.4         | 30           |
| Y <sub>M</sub>   | 56.71       | 0.0     | 77.4    | 77.4         | 90           |
| L <sub>M</sub>   | 56.71       | -67.02  | 38.7    | 77.4         | 150          |
| C <sub>M</sub>   | 56.71       | -67.02  | -38.69  | 77.4         | 210          |
| V <sub>M</sub>   | 56.71       | 0.0     | -77.39  | 77.4         | 270          |
| M <sub>M</sub>   | 56.71       | 67.03   | -38.69  | 77.4         | 330          |
| N <sub>M</sub>   | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>M</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          |



%Gamut  
 $u^*_{rel} = 100$   
%Regularity  
 $g^*_{H,rel} = 100$   
 $g^*_{C,rel} = 100$

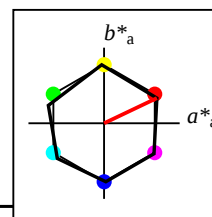
| SRS18a; adapted CIELAB data | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|-----------------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>             | 56.71       | 67.03   | 38.7    | 77.4         | 30           |
| Y <sub>Ma</sub>             | 56.71       | 0.0     | 77.4    | 77.4         | 90           |
| L <sub>Ma</sub>             | 56.71       | -67.02  | 38.7    | 77.4         | 150          |
| C <sub>Ma</sub>             | 56.71       | -67.02  | -38.69  | 77.4         | 210          |
| V <sub>Ma</sub>             | 56.71       | 0.0     | -77.39  | 77.4         | 270          |
| M <sub>Ma</sub>             | 56.71       | 67.03   | -38.69  | 77.4         | 330          |
| 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       | 58.74   | 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          |



%Gamut  
 $u^*_{rel} = 100$   
%Regularity  
 $g^*_{H,rel} = 78$   
 $g^*_{C,rel} = 100$

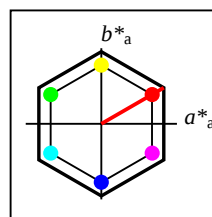
| NRS18a; adapted CIELAB data | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|-----------------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>             | 56.71       | 69.87   | 33.29   | 77.4         | 25           |
| Y <sub>Ma</sub>             | 56.71       | -3.1    | 77.34   | 77.4         | 92           |
| L <sub>Ma</sub>             | 56.71       | -73.68  | 23.63   | 77.39        | 162          |
| C <sub>Ma</sub>             | 56.71       | -61.81  | -46.54  | 77.39        | 217          |
| V <sub>Ma</sub>             | 56.71       | 2.35    | -77.34  | 77.39        | 272          |
| M <sub>Ma</sub>             | 56.71       | 66.07   | -40.3   | 77.4         | 329          |
| 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       | 58.74   | 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          |

Workflow choices  
for colour samples:  
1. No colour change  
2. Hue change  
3. Chroma change



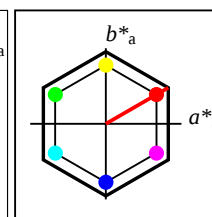
%Gamut  
 $u^*_{rel} = 100$   
%Regularity  
 $g^*_{H,rel} = 78$   
 $g^*_{C,rel} = 100$

| NRS18a; adapted CIELAB data | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|-----------------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>             | 56.71       | 69.87   | 33.29   | 77.4         | 25           |
| Y <sub>Ma</sub>             | 56.71       | -3.1    | 77.34   | 77.4         | 92           |
| L <sub>Ma</sub>             | 56.71       | -73.68  | 23.63   | 77.39        | 162          |
| C <sub>Ma</sub>             | 56.71       | -61.81  | -46.54  | 77.39        | 217          |
| V <sub>Ma</sub>             | 56.71       | 2.35    | -77.34  | 77.39        | 272          |
| M <sub>Ma</sub>             | 56.71       | 66.07   | -40.3   | 77.4         | 329          |
| 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       | 58.74   | 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          |



%Gamut  
 $u^*_{rel} = 152$   
%Regularity  
 $g^*_{H,rel} = 100$   
 $g^*_{C,rel} = 100$

| NLS00a; adapted CIELAB data | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|-----------------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>             | 31.81       | 82.62   | 47.7    | 95.4         | 30           |
| Y <sub>Ma</sub>             | 63.61       | 0.0     | 95.4    | 95.4         | 90           |
| L <sub>Ma</sub>             | 31.81       | -82.61  | 47.7    | 95.4         | 150          |
| C <sub>Ma</sub>             | 63.61       | -82.61  | -47.69  | 95.4         | 210          |
| V <sub>Ma</sub>             | 31.81       | 0.0     | -95.39  | 95.4         | 270          |
| M <sub>Ma</sub>             | 63.61       | 82.62   | -47.69  | 95.4         | 330          |
| 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          |



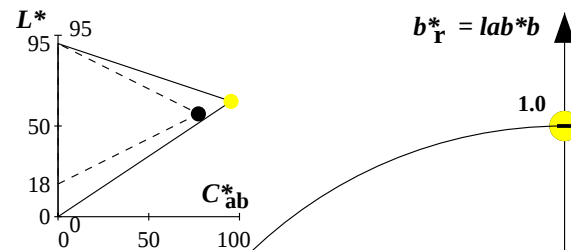
%Gamut  
 $u^*_{rel} = 152$   
%Regularity  
 $g^*_{H,rel} = 100$   
 $g^*_{C,rel} = 100$

| NLS00            | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>M</sub>   | 31.81       | 82.62   | 47.7    | 95.4         | 30           |
| Y <sub>M</sub>   | 63.61       | 0.0     | 95.4    | 95.4         | 90           |
| L <sub>M</sub>   | 31.81       | -82.61  | 47.7    | 95.4         | 150          |
| C <sub>M</sub>   | 63.61       | -82.61  | -47.69  | 95.4         | 210          |
| V <sub>M</sub>   | 31.81       | 0.0     | -95.39  | 95.4         | 270          |
| M <sub>M</sub>   | 63.61       | 82.62   | -47.69  | 95.4         | 330          |
| N <sub>M</sub>   | 0.01        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>M</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          |

Relative CIELAB chroma diagram: ( $a_r^* = lab^*a$ ,  $b_r^* = lab^*b$ ) and absolute CIELAB hue triangle diagram: ( $L^*$ ,  $C_{ab}^*$ ) for input (---) and output (---)  
SRS18: Input (i) colorimetric system; Six hue angles of the colour device: (30.0, 90.0, 150.0, 210.0, 270.0, 330.0); Four hue angles of the elementary colours: (25.5, 92.3, 162.2, 271.7)  
NLS00: Output (o) colorimetric system; Six hue angles of the colour device: (30.0, 90.0, 150.0, 210.0, 270.0, 330.0); Four hue angles of the elementary colours: (25.5, 92.3, 162.2, 271.7)

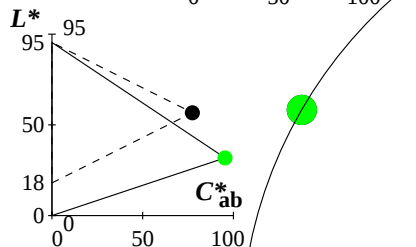
#### Y Yellow

olv3Mi = 1.0 1.0 0.0  
olv3Mo = 1.0 1.0 0.0  
LCHMi = 56.7 77.4 90  
LCHo = 63.6 95.4 90  
tchMi = 0.5 1.0 0.25  
tchMo = 0.5 1.0 0.25



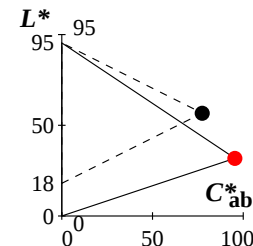
#### L Leaf green

olv3Mi = 0.0 1.0 0.0  
olv3Mo = 0.0 1.0 0.0  
LCHMi = 56.7 77.4 150  
LCHo = 31.8 95.4 150  
tchMi = 0.5 1.0 0.417  
tchMo = 0.5 1.0 0.417



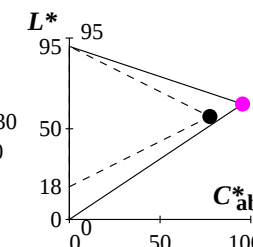
#### O Orange red

olv3Mi = 1.0 0.0 0.0  
olv3Mo = 1.0 0.0 0.0  
LCHMi = 56.7 77.4 30  
LCHo = 31.8 95.4 30  
tchMi = 0.5 1.0 0.083  
tchMo = 0.5 1.0 0.083



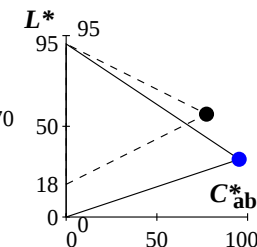
#### M Magenta red

olv3Mi = 1.0 0.0 1.0  
olv3Mo = 1.0 0.0 1.0  
LCHMi = 56.7 77.4 330  
LCHo = 63.6 95.4 330  
tchMi = 0.5 1.0 0.917  
tchMo = 0.5 1.0 0.917



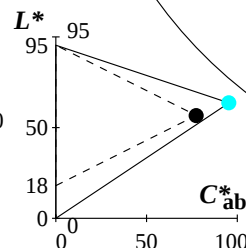
#### V Violet blue

olv3Mi = 0.0 0.0 1.0  
olv3Mo = 0.0 0.0 1.0  
LCHMi = 56.7 77.4 270  
LCHo = 31.8 95.4 270  
tchMi = 0.5 1.0 0.75  
tchMo = 0.5 1.0 0.75



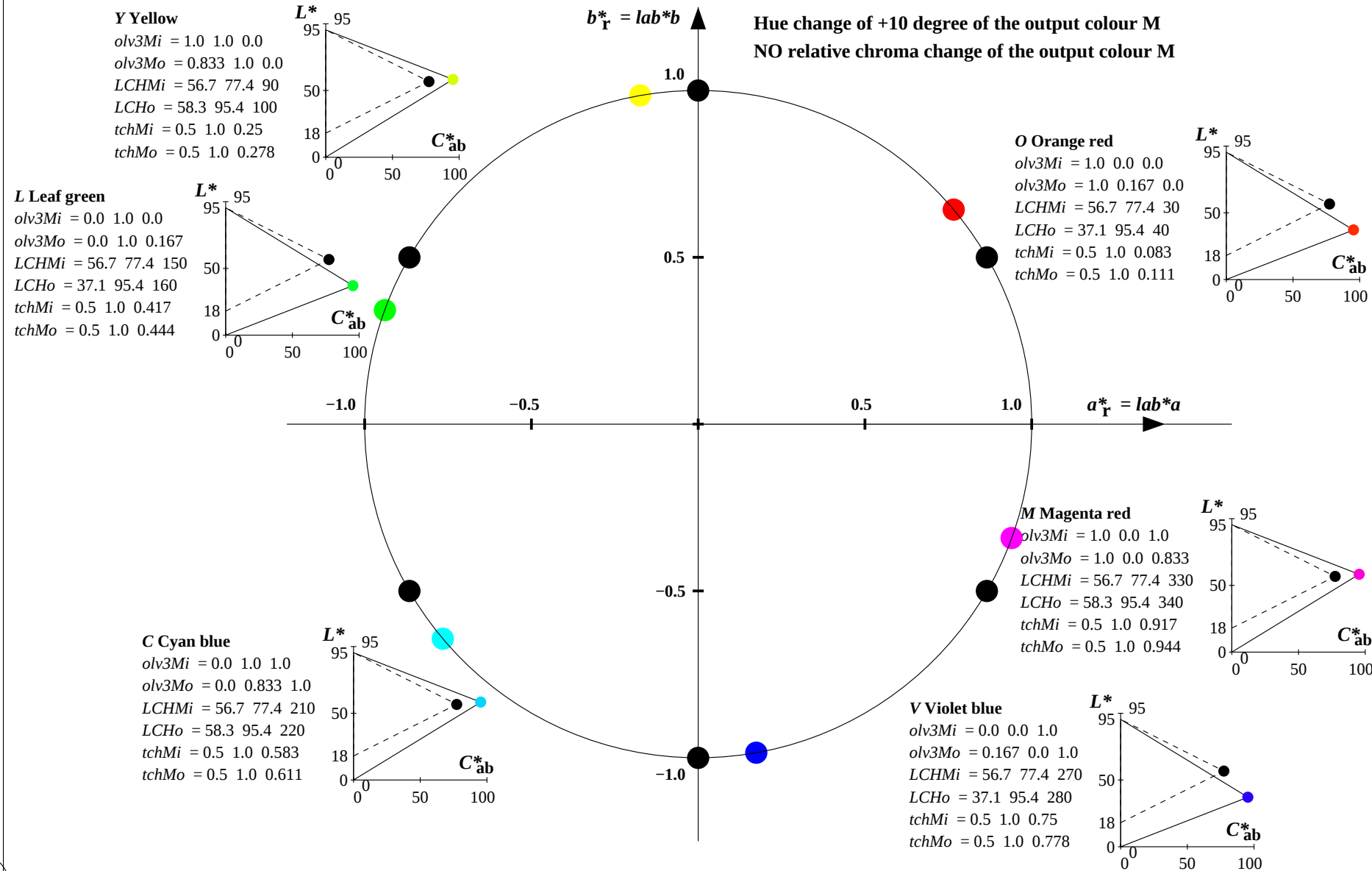
#### C Cyan blue

olv3Mi = 0.0 1.0 1.0  
olv3Mo = 0.0 1.0 1.0  
LCHMi = 56.7 77.4 210  
LCHo = 63.6 95.4 210  
tchMi = 0.5 1.0 0.583  
tchMo = 0.5 1.0 0.583

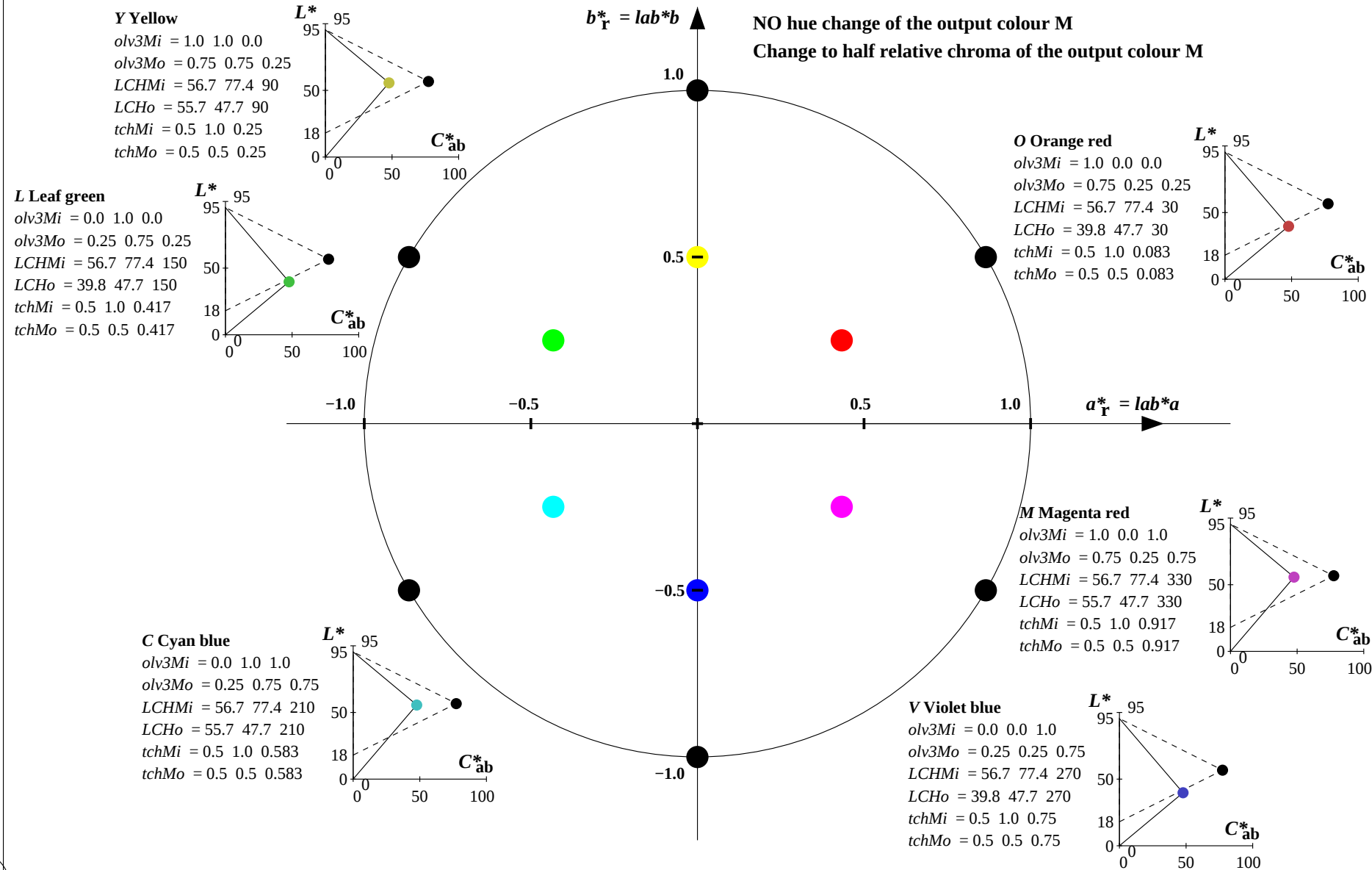


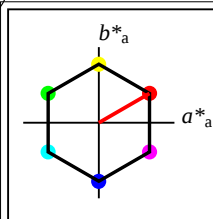
NO hue change of the output colour M  
NO relative chroma change of the output colour M

Relative CIELAB chroma diagram: ( $a_r^* = lab^*a$ ,  $b_r^* = lab^*b$ ) and absolute CIELAB hue triangle diagram: ( $L^*$ ,  $C_{ab}^*$ ) for input (---) and output (---)  
SRS18: Input (i) colorimetric system; Six hue angles of the colour device: (30.0, 90.0, 150.0, 210.0, 270.0, 330.0); Four hue angles of the elementary colours: (25.5, 92.3, 162.2, 271.7)  
NLS00: Output (o) colorimetric system; Six hue angles of the colour device: (30.0, 90.0, 150.0, 210.0, 270.0, 330.0); Four hue angles of the elementary colours: (25.5, 92.3, 162.2, 271.7)



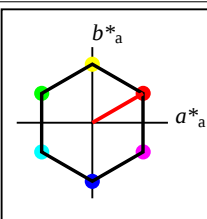
Relative CIELAB chroma diagram: ( $a_r^* = lab^*a$ ,  $b_r^* = lab^*b$ ) and absolute CIELAB hue triangle diagram: ( $L^*$ ,  $C_{ab}^*$ ) for input (---) and output (---)  
SRS18: Input (i) colorimetric system; Six hue angles of the colour device: (30.0, 90.0, 150.0, 210.0, 270.0, 330.0); Four hue angles of the elementary colours: (25.5, 92.3, 162.2, 271.7)  
NLS00: Output (o) colorimetric system; Six hue angles of the colour device: (30.0, 90.0, 150.0, 210.0, 270.0, 330.0); Four hue angles of the elementary colours: (25.5, 92.3, 162.2, 271.7)





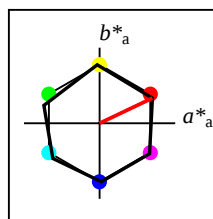
%Gamut  
 $u^*_{rel} = 100$   
%Regularity  
 $g^*_{H,rel} = 100$   
 $g^*_{C,rel} = 100$

| SRS18            | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>M</sub>   | 56.71       | 67.03   | 38.7    | 77.4         | 30           |
| Y <sub>M</sub>   | 56.71       | 0.0     | 77.4    | 77.4         | 90           |
| L <sub>M</sub>   | 56.71       | -67.02  | 38.7    | 77.4         | 150          |
| C <sub>M</sub>   | 56.71       | -67.02  | -38.69  | 77.4         | 210          |
| V <sub>M</sub>   | 56.71       | 0.0     | -77.39  | 77.4         | 270          |
| M <sub>M</sub>   | 56.71       | 67.03   | -38.69  | 77.4         | 330          |
| N <sub>M</sub>   | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>M</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          |



%Gamut  
 $u^*_{rel} = 100$   
%Regularity  
 $g^*_{H,rel} = 100$   
 $g^*_{C,rel} = 100$

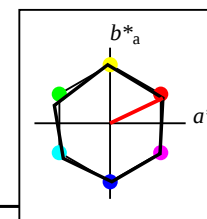
| SRS18a; adapted CIELAB data | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|-----------------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>             | 56.71       | 67.03   | 38.7    | 77.4         | 30           |
| Y <sub>Ma</sub>             | 56.71       | 0.0     | 77.4    | 77.4         | 90           |
| L <sub>Ma</sub>             | 56.71       | -67.02  | 38.7    | 77.4         | 150          |
| C <sub>Ma</sub>             | 56.71       | -67.02  | -38.69  | 77.4         | 210          |
| V <sub>Ma</sub>             | 56.71       | 0.0     | -77.39  | 77.4         | 270          |
| M <sub>Ma</sub>             | 56.71       | 67.03   | -38.69  | 77.4         | 330          |
| 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       | 58.74   | 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          |



%Gamut  
 $u^*_{rel} = 100$   
%Regularity  
 $g^*_{H,rel} = 78$   
 $g^*_{C,rel} = 100$

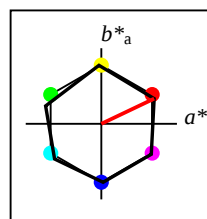
| NRS18a; adapted CIELAB data | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|-----------------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>             | 56.71       | 69.87   | 33.29   | 77.4         | 25           |
| Y <sub>Ma</sub>             | 56.71       | -3.1    | 77.34   | 77.4         | 92           |
| L <sub>Ma</sub>             | 56.71       | -73.68  | 23.63   | 77.39        | 162          |
| C <sub>Ma</sub>             | 56.71       | -61.81  | -46.54  | 77.39        | 217          |
| V <sub>Ma</sub>             | 56.71       | 2.35    | -77.34  | 77.39        | 272          |
| M <sub>Ma</sub>             | 56.71       | 66.07   | -40.3   | 77.4         | 329          |
| 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       | 58.74   | 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          |

Workflow choices  
for colour samples:  
1. No colour change  
2. Hue change  
3. Chroma change



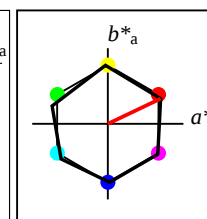
%Gamut  
 $u^*_{rel} = 100$   
%Regularity  
 $g^*_{H,rel} = 78$   
 $g^*_{C,rel} = 100$

| NRS18a; adapted CIELAB data | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|-----------------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>             | 56.71       | 69.87   | 33.29   | 77.4         | 25           |
| Y <sub>Ma</sub>             | 56.71       | -3.1    | 77.34   | 77.4         | 92           |
| L <sub>Ma</sub>             | 56.71       | -73.68  | 23.63   | 77.39        | 162          |
| C <sub>Ma</sub>             | 56.71       | -61.81  | -46.54  | 77.39        | 217          |
| V <sub>Ma</sub>             | 56.71       | 2.35    | -77.34  | 77.39        | 272          |
| M <sub>Ma</sub>             | 56.71       | 66.07   | -40.3   | 77.4         | 329          |
| 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       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>            | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
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 $g^*_{H,rel} = 78$   
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| NRS18a; adapted CIELAB data | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
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| 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       | 58.74   | 27.99   | 65.07        | 25           |
| J <sub>CIE</sub>            | 81.26       | -2.88   | 71.56   | 71.62        | 92           |
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| B <sub>CIE</sub>            | 30.57       | 1.41    | -46.46  | 46.49        | 272          |



%Gamut  
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%Regularity  
 $g^*_{H,rel} = 78$   
 $g^*_{C,rel} = 100$

| NRS18            | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>M</sub>   | 56.71       | 69.87   | 33.29   | 77.4         | 25           |
| Y <sub>M</sub>   | 56.71       | -3.1    | 77.34   | 77.4         | 92           |
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| M <sub>M</sub>   | 56.71       | 66.07   | -40.3   | 77.4         | 329          |
| N <sub>M</sub>   | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>M</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          |

Relative CIELAB chroma diagram: ( $a_r^* = lab^*a$ ,  $b_r^* = lab^*b$ ) and absolute CIELAB hue triangle diagram: ( $L^*$ ,  $C_{ab}^*$ ) for input (--) and output (---)  
SRS18: Input (i) colorimetric system; Six hue angles of the colour device: (30.0, 90.0, 150.0, 210.0, 270.0, 330.0); Four hue angles of the elementary colours: (25.5, 92.3, 162.2, 271.7)  
NRS18: Output (o) colorimetric system; Six hue angles of the colour device: (25.5, 92.3, 162.2, 217.0, 271.7, 328.6); Four hue angles of the elementary colours: (25.5, 92.3, 162.2, 271.7)

#### Y Yellow

olv3Mi = 1.0 1.0 0.0  
olv3Mo = 1.0 0.966 0.0  
LCHMi = 56.7 77.4 90  
LCHo = 56.7 77.4 90  
tchMi = 0.5 1.0 0.25  
tchMo = 0.5 1.0 0.25

#### L Leaf green

olv3Mi = 0.0 1.0 0.0  
olv3Mo = 0.175 1.0 0.0  
LCHMi = 56.7 77.4 150  
LCHo = 56.7 77.4 150  
tchMi = 0.5 1.0 0.417  
tchMo = 0.5 1.0 0.417

#### C Cyan blue

olv3Mi = 0.0 1.0 1.0  
olv3Mo = 0.0 1.0 0.873  
LCHMi = 56.7 77.4 210  
LCHo = 56.7 77.4 210  
tchMi = 0.5 1.0 0.583  
tchMo = 0.5 1.0 0.583

#### V Violet blue

olv3Mi = 0.0 0.0 1.0  
olv3Mo = 0.0 0.032 1.0  
LCHMi = 56.7 77.4 270  
LCHo = 56.7 77.4 270  
tchMi = 0.5 1.0 0.75  
tchMo = 0.5 1.0 0.75

#### M Magenta red

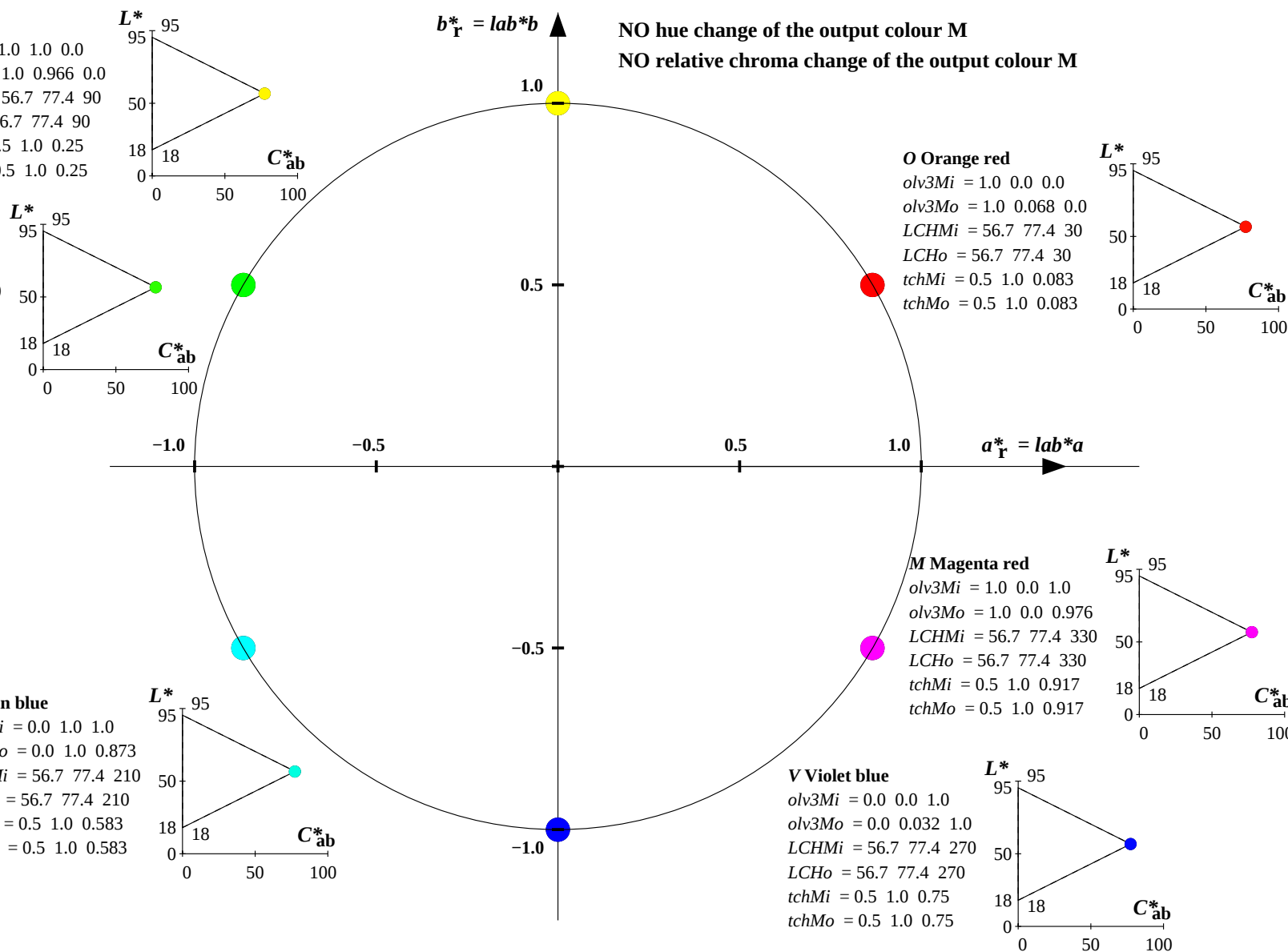
olv3Mi = 1.0 0.0 1.0  
olv3Mo = 1.0 0.0 0.976  
LCHMi = 56.7 77.4 330  
LCHo = 56.7 77.4 330  
tchMi = 0.5 1.0 0.917  
tchMo = 0.5 1.0 0.917

#### O Orange red

olv3Mi = 1.0 0.0 0.0  
olv3Mo = 1.0 0.068 0.0  
LCHMi = 56.7 77.4 30  
LCHo = 56.7 77.4 30  
tchMi = 0.5 1.0 0.083  
tchMo = 0.5 1.0 0.083

NO hue change of the output colour M

NO relative chroma change of the output colour M



Relative CIELAB chroma diagram: ( $a_r^* = lab^*a$ ,  $b_r^* = lab^*b$ ) and absolute CIELAB hue triangle diagram: ( $L^*$ ,  $C_{ab}^*$ ) for input (--) and output (---)  
SRS18: Input (i) colorimetric system; Six hue angles of the colour device: (30.0, 90.0, 150.0, 210.0, 270.0, 330.0); Four hue angles of the elementary colours: (25.5, 92.3, 162.2, 271.7)  
NRS18: Output (o) colorimetric system; Six hue angles of the colour device: (25.5, 92.3, 162.2, 217.0, 271.7, 328.6); Four hue angles of the elementary colours: (25.5, 92.3, 162.2, 271.7)

#### Y Yellow

olv3Mi = 1.0 1.0 0.0  
olv3Mo = 0.89 1.0 0.0  
LCHMi = 56.7 77.4 90  
LCHo = 56.7 77.4 100  
tchMi = 0.5 1.0 0.25  
tchMo = 0.5 1.0 0.278

#### L Leaf green

olv3Mi = 0.0 1.0 0.0  
olv3Mo = 0.032 1.0 0.0  
LCHMi = 56.7 77.4 150  
LCHo = 56.7 77.4 160  
tchMi = 0.5 1.0 0.417  
tchMo = 0.5 1.0 0.444

#### C Cyan blue

olv3Mi = 0.0 1.0 1.0  
olv3Mo = 0.0 0.945 1.0  
LCHMi = 56.7 77.4 210  
LCHo = 56.7 77.4 220  
tchMi = 0.5 1.0 0.583  
tchMo = 0.5 1.0 0.611

#### V Violet blue

olv3Mi = 0.0 0.0 1.0  
olv3Mo = 0.145 0.0 1.0  
LCHMi = 56.7 77.4 270  
LCHo = 56.7 77.4 280  
tchMi = 0.5 1.0 0.75  
tchMo = 0.5 1.0 0.778

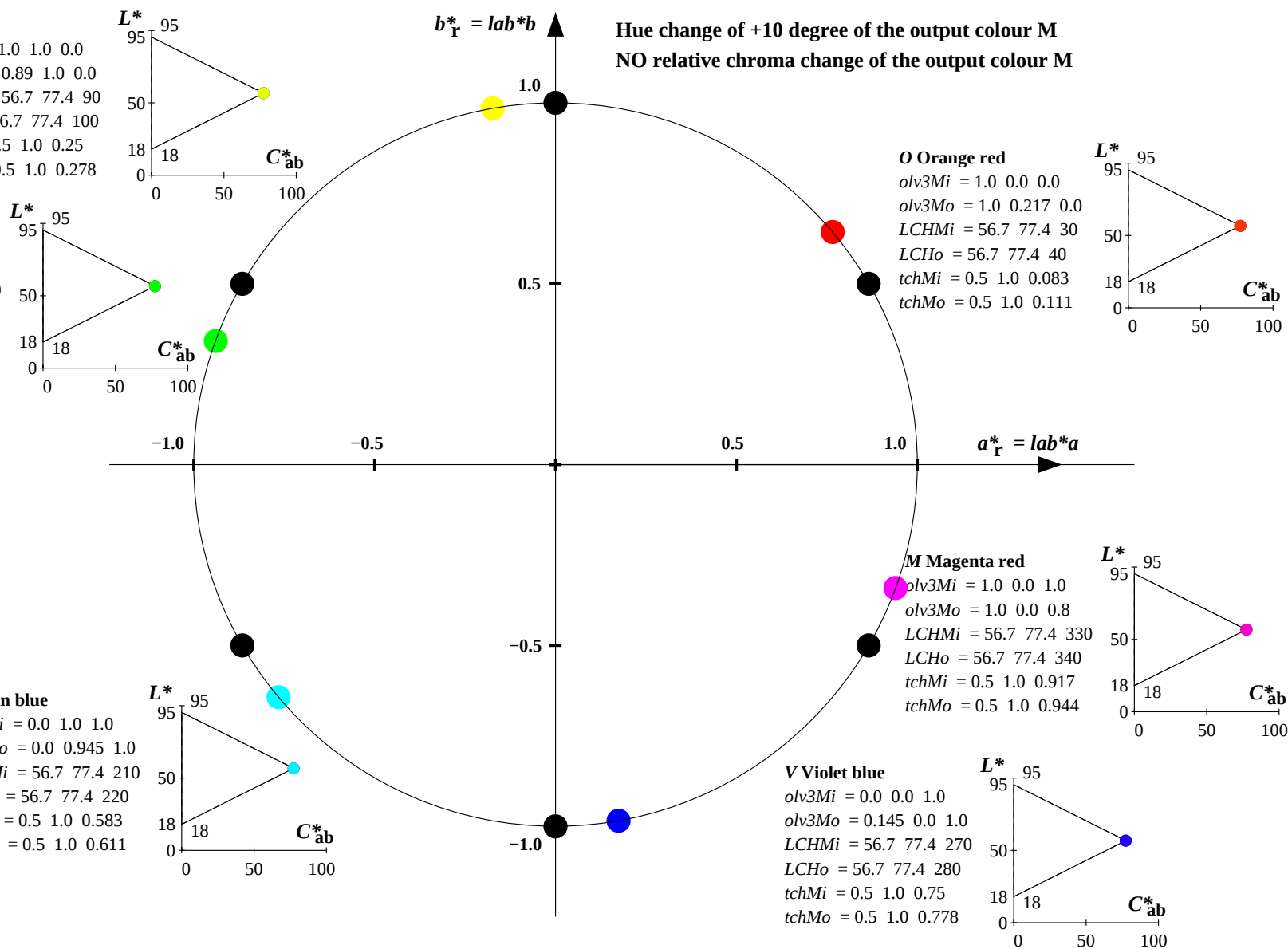
#### M Magenta red

olv3Mi = 1.0 0.0 1.0  
olv3Mo = 1.0 0.0 0.8  
LCHMi = 56.7 77.4 330  
LCHo = 56.7 77.4 340  
tchMi = 0.5 1.0 0.917  
tchMo = 0.5 1.0 0.944

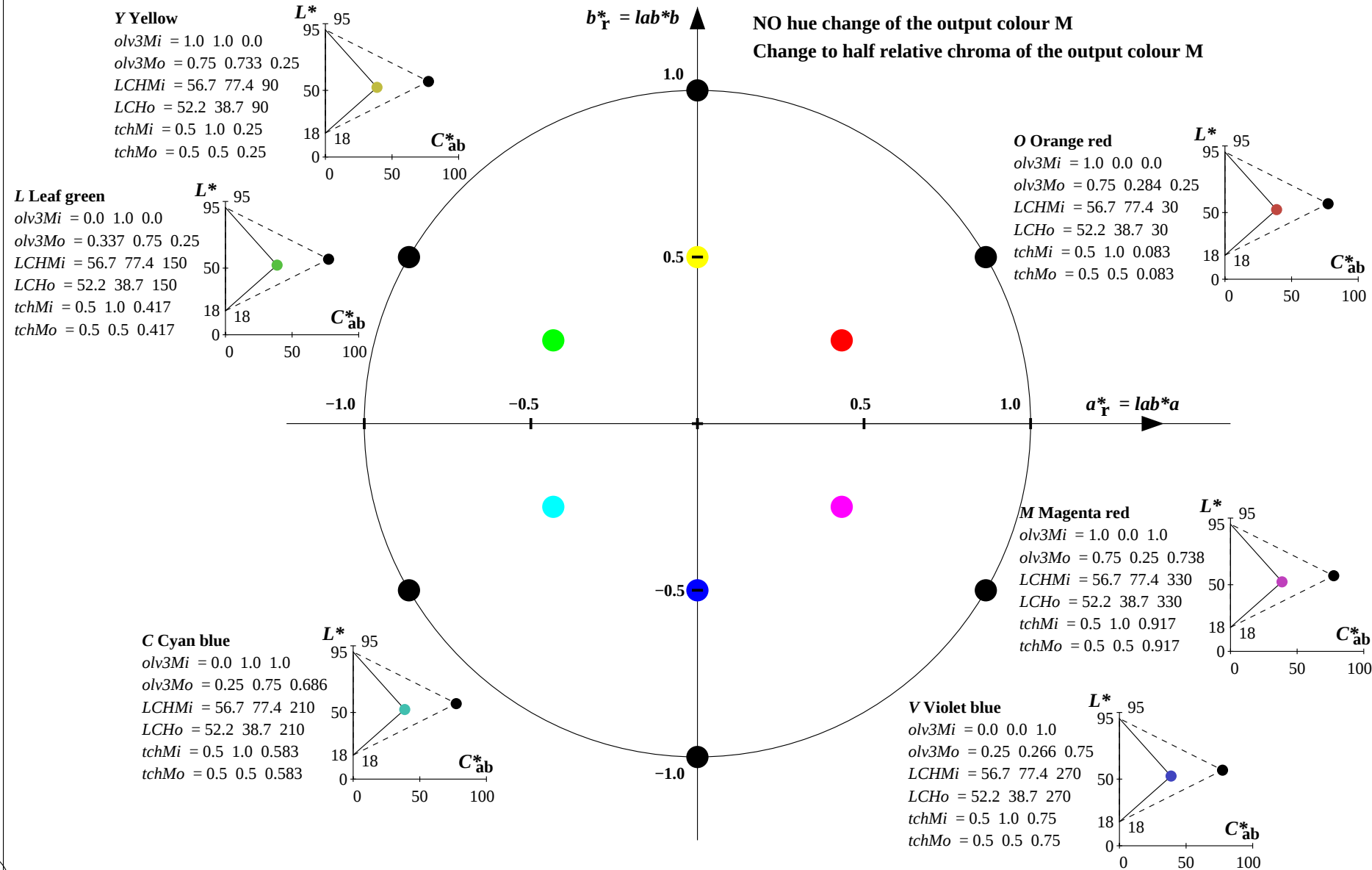
#### O Orange red

olv3Mi = 1.0 0.0 0.0  
olv3Mo = 1.0 0.217 0.0  
LCHMi = 56.7 77.4 30  
LCHo = 56.7 77.4 40  
tchMi = 0.5 1.0 0.083  
tchMo = 0.5 1.0 0.111

Hue change of +10 degree of the output colour M  
NO relative chroma change of the output colour M

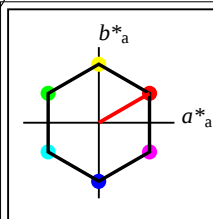


Relative CIELAB chroma diagram: ( $a_r^* = lab^*a$ ,  $b_r^* = lab^*b$ ) and absolute CIELAB hue triangle diagram: ( $L^*$ ,  $C_{ab}^*$ ) for input (--) and output (---)  
SRS18: Input (i) colorimetric system; Six hue angles of the colour device: (30.0, 90.0, 150.0, 210.0, 270.0, 330.0); Four hue angles of the elementary colours: (25.5, 92.3, 162.2, 271.7)  
NRS18: Output (o) colorimetric system; Six hue angles of the colour device: (25.5, 92.3, 162.2, 217.0, 271.7, 328.6); Four hue angles of the elementary colours: (25.5, 92.3, 162.2, 271.7)



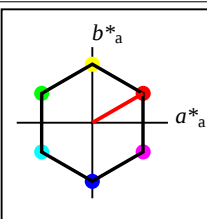
YE660-7, Colour Management Workflow: Device Colour Input Data of the Colour Space SRS18 -> Device Colour Output Data of Output Space NRS18, page 24/32

BAM-test chart YE66; Colorimetric workflow SRS18->NRS18 input: olv\* setrgbcolor  
D65: 6 basic colours; Device and sample data; page 24/32 output: no change compared to input



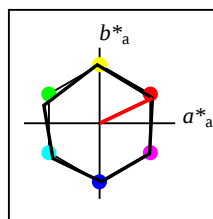
%Gamut  
 $u^*_{rel} = 100$   
%Regularity  
 $g^*_{H,rel} = 100$   
 $g^*_{C,rel} = 100$

| SRS18            | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>M</sub>   | 56.71       | 67.03   | 38.7    | 77.4         | 30           |
| Y <sub>M</sub>   | 56.71       | 0.0     | 77.4    | 77.4         | 90           |
| L <sub>M</sub>   | 56.71       | -67.02  | 38.7    | 77.4         | 150          |
| C <sub>M</sub>   | 56.71       | -67.02  | -38.69  | 77.4         | 210          |
| V <sub>M</sub>   | 56.71       | 0.0     | -77.39  | 77.4         | 270          |
| M <sub>M</sub>   | 56.71       | 67.03   | -38.69  | 77.4         | 330          |
| N <sub>M</sub>   | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>M</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          |



%Gamut  
 $u^*_{rel} = 100$   
%Regularity  
 $g^*_{H,rel} = 100$   
 $g^*_{C,rel} = 100$

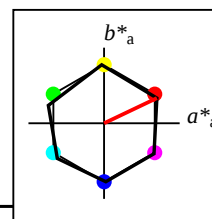
| SRS18a; adapted CIELAB data | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|-----------------------------|-------------|---------|---------|--------------|--------------|
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 $g^*_{C,rel} = 100$

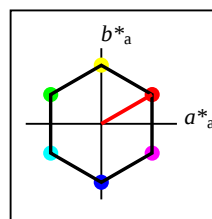
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| N <sub>Ma</sub>             | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
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Workflow choices  
for colour samples:  
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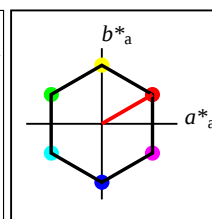
%Gamut  
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%Regularity  
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| C <sub>Ma</sub>             | 56.71       | -67.02  | -38.69  | 77.4         | 210          |
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| W <sub>Ma</sub>             | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
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| O <sub>M</sub>   | 56.71       | 67.03   | 38.7    | 77.4         | 30           |
| Y <sub>M</sub>   | 56.71       | 0.0     | 77.4    | 77.4         | 90           |
| L <sub>M</sub>   | 56.71       | -67.02  | 38.7    | 77.4         | 150          |
| C <sub>M</sub>   | 56.71       | -67.02  | -38.69  | 77.4         | 210          |
| V <sub>M</sub>   | 56.71       | 0.0     | -77.39  | 77.4         | 270          |
| M <sub>M</sub>   | 56.71       | 67.03   | -38.69  | 77.4         | 330          |
| N <sub>M</sub>   | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>M</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          |

Relative CIELAB chroma diagram: ( $a_r^* = lab^*a$ ,  $b_r^* = lab^*b$ ) and absolute CIELAB hue triangle diagram: ( $L^*$ ,  $C_{ab}^*$ ) for input (—) and output (---)  
SRS18: Input (i) colorimetric system; Six hue angles of the colour device: (30.0, 90.0, 150.0, 210.0, 270.0, 330.0); Four hue angles of the elementary colours: (25.5, 92.3, 162.2, 271.7)  
SRS18: Output (o) colorimetric system; Six hue angles of the colour device: (30.0, 90.0, 150.0, 210.0, 270.0, 330.0); Four hue angles of the elementary colours: (25.5, 92.3, 162.2, 271.7)

#### Y Yellow

olv3Mi = 1.0 1.0 0.0  
olv3Mo = 1.0 1.0 0.0  
LCHMi = 56.7 77.4 90  
LCHo = 56.7 77.4 90  
tchMi = 0.5 1.0 0.25  
tchMo = 0.5 1.0 0.25

#### L Leaf green

olv3Mi = 0.0 1.0 0.0  
olv3Mo = 0.0 1.0 0.0  
LCHMi = 56.7 77.4 150  
LCHo = 56.7 77.4 150  
tchMi = 0.5 1.0 0.417  
tchMo = 0.5 1.0 0.417

#### C Cyan blue

olv3Mi = 0.0 1.0 1.0  
olv3Mo = 0.0 1.0 1.0  
LCHMi = 56.7 77.4 210  
LCHo = 56.7 77.4 210  
tchMi = 0.5 1.0 0.583  
tchMo = 0.5 1.0 0.583

#### V Violet blue

olv3Mi = 0.0 0.0 1.0  
olv3Mo = 0.0 0.0 1.0  
LCHMi = 56.7 77.4 270  
LCHo = 56.7 77.4 270  
tchMi = 0.5 1.0 0.75  
tchMo = 0.5 1.0 0.75

#### M Magenta red

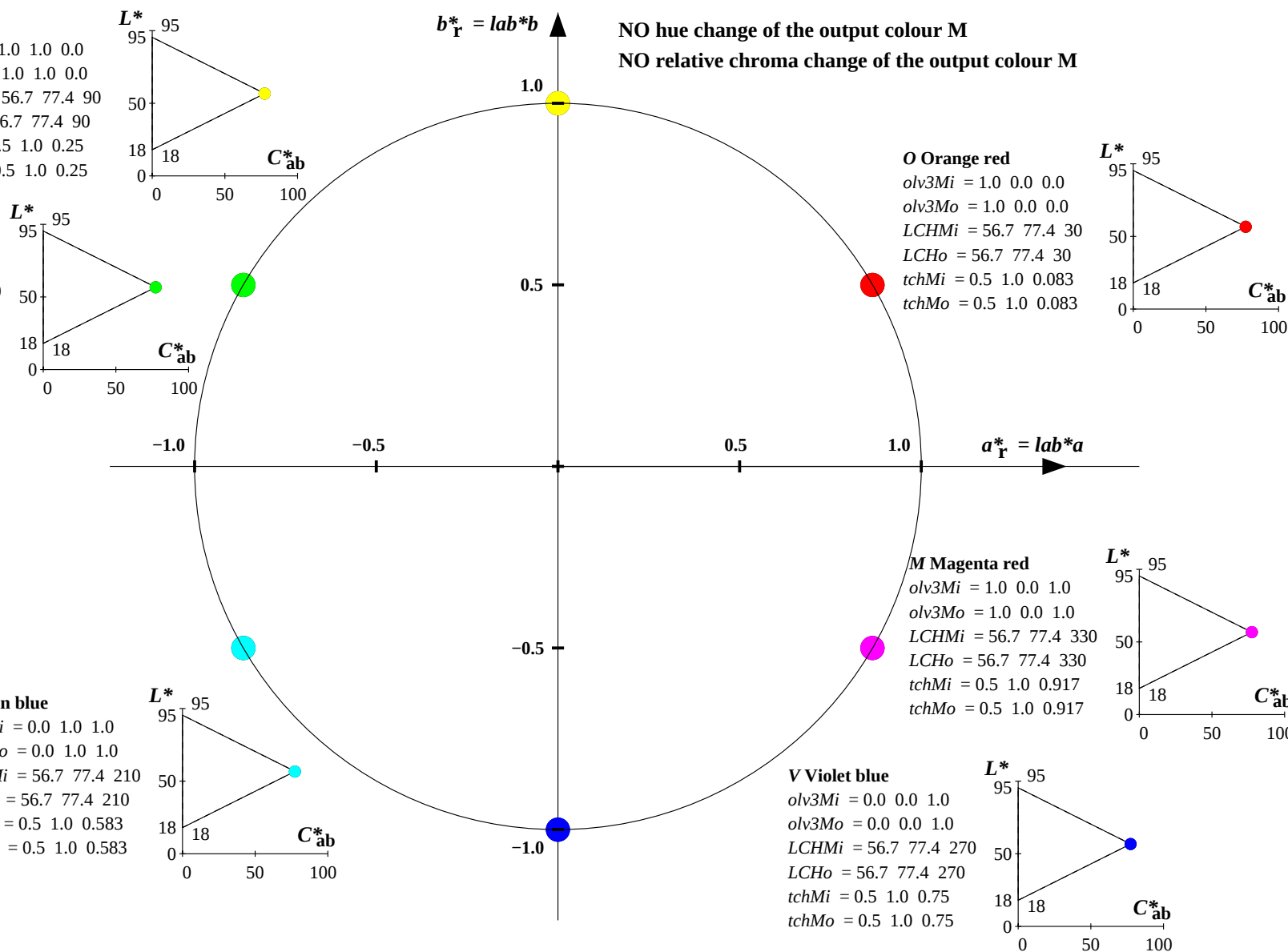
olv3Mi = 1.0 0.0 1.0  
olv3Mo = 1.0 0.0 1.0  
LCHMi = 56.7 77.4 330  
LCHo = 56.7 77.4 330  
tchMi = 0.5 1.0 0.917  
tchMo = 0.5 1.0 0.917

#### O Orange red

olv3Mi = 1.0 0.0 0.0  
olv3Mo = 1.0 0.0 0.0  
LCHMi = 56.7 77.4 30  
LCHo = 56.7 77.4 30  
tchMi = 0.5 1.0 0.083  
tchMo = 0.5 1.0 0.083

NO hue change of the output colour M

NO relative chroma change of the output colour M



Relative CIELAB chroma diagram: ( $a_r^* = lab^*a$ ,  $b_r^* = lab^*b$ ) and absolute CIELAB hue triangle diagram: ( $L^*$ ,  $C_{ab}^*$ ) for input (--) and output (---)  
SRS18: Input (i) colorimetric system; Six hue angles of the colour device: (30.0, 90.0, 150.0, 210.0, 270.0, 330.0); Four hue angles of the elementary colours: (25.5, 92.3, 162.2, 271.7)  
SRS18: Output (o) colorimetric system; Six hue angles of the colour device: (30.0, 90.0, 150.0, 210.0, 270.0, 330.0); Four hue angles of the elementary colours: (25.5, 92.3, 162.2, 271.7)

#### Y Yellow

olv3Mi = 1.0 1.0 0.0  
olv3Mo = 0.833 1.0 0.0  
LCHMi = 56.7 77.4 90  
LCHo = 56.7 77.4 100  
tchMi = 0.5 1.0 0.25  
tchMo = 0.5 1.0 0.278

#### L Leaf green

olv3Mi = 0.0 1.0 0.0  
olv3Mo = 0.0 1.0 0.167  
LCHMi = 56.7 77.4 150  
LCHo = 56.7 77.4 160  
tchMi = 0.5 1.0 0.417  
tchMo = 0.5 1.0 0.444

#### C Cyan blue

olv3Mi = 0.0 1.0 1.0  
olv3Mo = 0.0 0.833 1.0  
LCHMi = 56.7 77.4 210  
LCHo = 56.7 77.4 220  
tchMi = 0.5 1.0 0.583  
tchMo = 0.5 1.0 0.611

#### V Violet blue

olv3Mi = 0.0 0.0 1.0  
olv3Mo = 0.167 0.0 1.0  
LCHMi = 56.7 77.4 270  
LCHo = 56.7 77.4 280  
tchMi = 0.5 1.0 0.75  
tchMo = 0.5 1.0 0.778

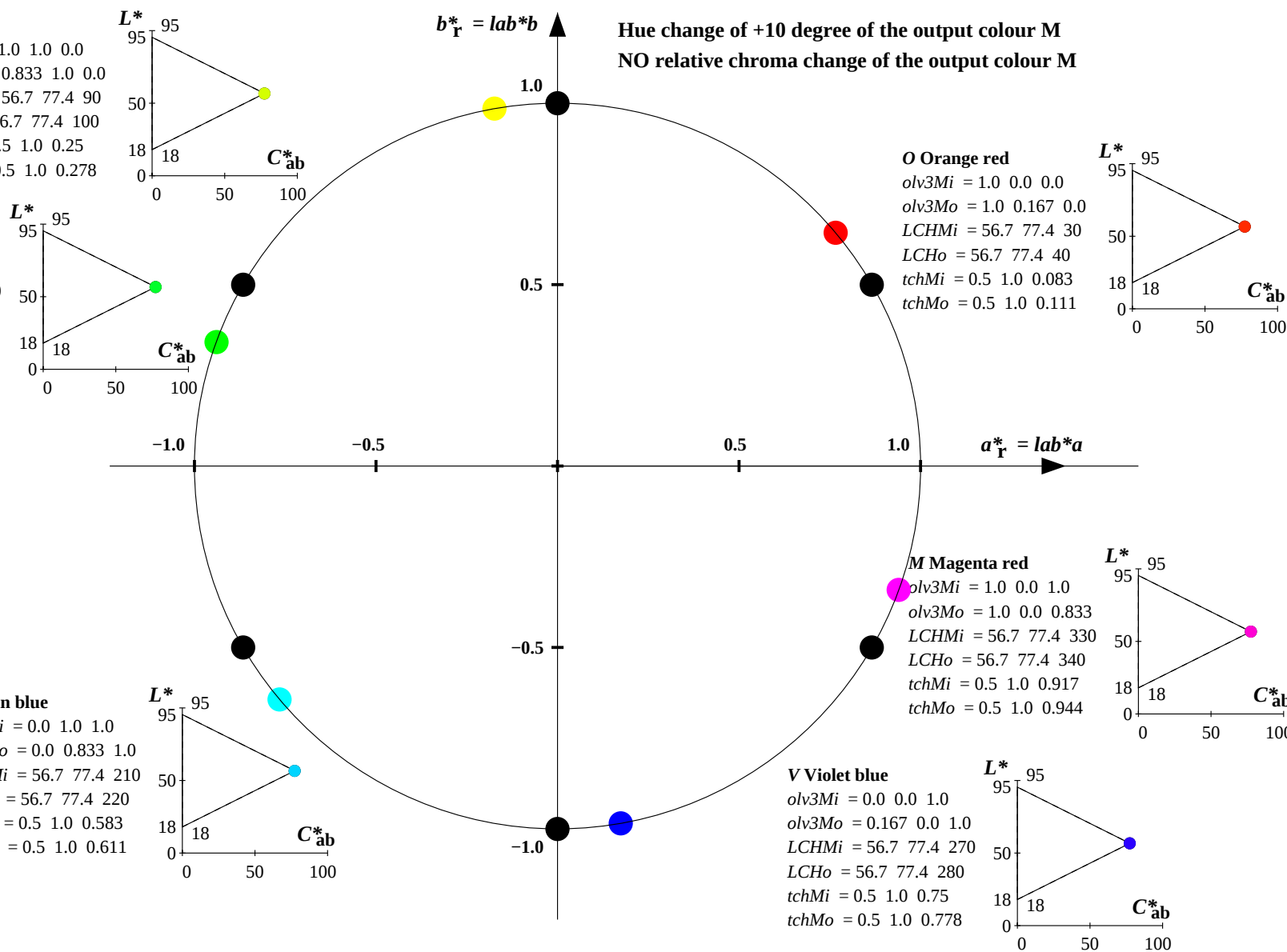
#### M Magenta red

olv3Mi = 1.0 0.0 1.0  
olv3Mo = 1.0 0.0 0.833  
LCHMi = 56.7 77.4 330  
LCHo = 56.7 77.4 340  
tchMi = 0.5 1.0 0.917  
tchMo = 0.5 1.0 0.944

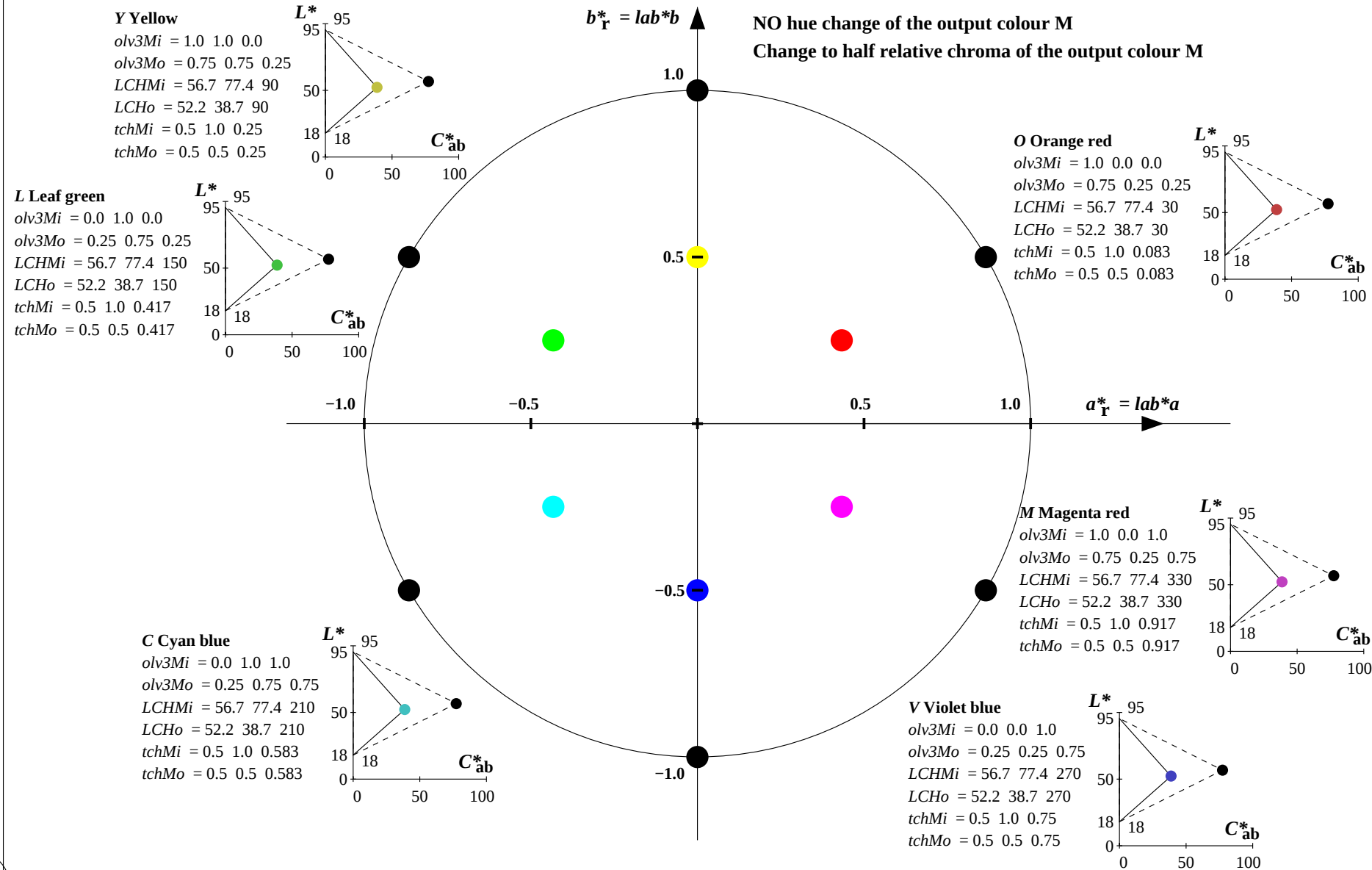
#### O Orange red

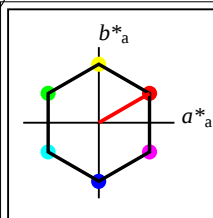
olv3Mi = 1.0 0.0 0.0  
olv3Mo = 1.0 0.167 0.0  
LCHMi = 56.7 77.4 30  
LCHo = 56.7 77.4 40  
tchMi = 0.5 1.0 0.083  
tchMo = 0.5 1.0 0.111

Hue change of +10 degree of the output colour M  
NO relative chroma change of the output colour M



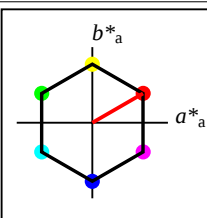
Relative CIELAB chroma diagram: ( $a_r^* = lab^*a$ ,  $b_r^* = lab^*b$ ) and absolute CIELAB hue triangle diagram: ( $L^*$ ,  $C_{ab}^*$ ) for input (---) and output (---)  
SRS18: Input (i) colorimetric system; Six hue angles of the colour device: (30.0, 90.0, 150.0, 210.0, 270.0, 330.0); Four hue angles of the elementary colours: (25.5, 92.3, 162.2, 271.7)  
SRS18: Output (o) colorimetric system; Six hue angles of the colour device: (30.0, 90.0, 150.0, 210.0, 270.0, 330.0); Four hue angles of the elementary colours: (25.5, 92.3, 162.2, 271.7)





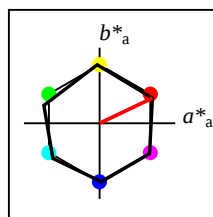
%Gamut  
 $u^*_{rel} = 100$   
%Regularity  
 $g^*_{H,rel} = 100$   
 $g^*_{C,rel} = 100$

| SRS18            | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>M</sub>   | 56.71       | 67.03   | 38.7    | 77.4         | 30           |
| Y <sub>M</sub>   | 56.71       | 0.0     | 77.4    | 77.4         | 90           |
| L <sub>M</sub>   | 56.71       | -67.02  | 38.7    | 77.4         | 150          |
| C <sub>M</sub>   | 56.71       | -67.02  | -38.69  | 77.4         | 210          |
| V <sub>M</sub>   | 56.71       | 0.0     | -77.39  | 77.4         | 270          |
| M <sub>M</sub>   | 56.71       | 67.03   | -38.69  | 77.4         | 330          |
| N <sub>M</sub>   | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>M</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          |



%Gamut  
 $u^*_{rel} = 100$   
%Regularity  
 $g^*_{H,rel} = 100$   
 $g^*_{C,rel} = 100$

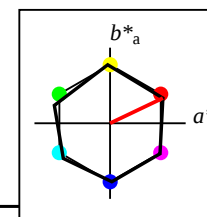
| SRS18a; adapted CIELAB data | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|-----------------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>             | 56.71       | 67.03   | 38.7    | 77.4         | 30           |
| Y <sub>Ma</sub>             | 56.71       | 0.0     | 77.4    | 77.4         | 90           |
| L <sub>Ma</sub>             | 56.71       | -67.02  | 38.7    | 77.4         | 150          |
| C <sub>Ma</sub>             | 56.71       | -67.02  | -38.69  | 77.4         | 210          |
| V <sub>Ma</sub>             | 56.71       | 0.0     | -77.39  | 77.4         | 270          |
| M <sub>Ma</sub>             | 56.71       | 67.03   | -38.69  | 77.4         | 330          |
| 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       | 58.74   | 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          |



%Gamut  
 $u^*_{rel} = 100$   
%Regularity  
 $g^*_{H,rel} = 78$   
 $g^*_{C,rel} = 100$

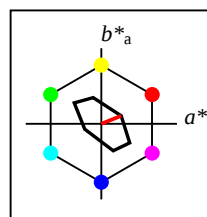
| NRS18a; adapted CIELAB data | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|-----------------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>             | 56.71       | 69.87   | 33.29   | 77.4         | 25           |
| Y <sub>Ma</sub>             | 56.71       | -3.1    | 77.34   | 77.4         | 92           |
| L <sub>Ma</sub>             | 56.71       | -73.68  | 23.63   | 77.39        | 162          |
| C <sub>Ma</sub>             | 56.71       | -61.81  | -46.54  | 77.39        | 217          |
| V <sub>Ma</sub>             | 56.71       | 2.35    | -77.34  | 77.39        | 272          |
| M <sub>Ma</sub>             | 56.71       | 66.07   | -40.3   | 77.4         | 329          |
| 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       | 58.74   | 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          |

Workflow choices  
for colour samples:  
1. No colour change  
2. Hue change  
3. Chroma change



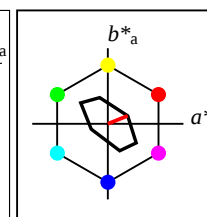
%Gamut  
 $u^*_{rel} = 100$   
%Regularity  
 $g^*_{H,rel} = 78$   
 $g^*_{C,rel} = 100$

| NRS18a; adapted CIELAB data | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|-----------------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>             | 56.71       | 69.87   | 33.29   | 77.4         | 25           |
| Y <sub>Ma</sub>             | 56.71       | -3.1    | 77.34   | 77.4         | 92           |
| L <sub>Ma</sub>             | 56.71       | -73.68  | 23.63   | 77.39        | 162          |
| C <sub>Ma</sub>             | 56.71       | -61.81  | -46.54  | 77.39        | 217          |
| V <sub>Ma</sub>             | 56.71       | 2.35    | -77.34  | 77.39        | 272          |
| M <sub>Ma</sub>             | 56.71       | 66.07   | -40.3   | 77.4         | 329          |
| 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       | 58.74   | 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          |



%Gamut  
 $u^*_{rel} = 16$   
%Regularity  
 $g^*_{H,rel} = 34$   
 $g^*_{C,rel} = 51$

| TLS70a; adapted CIELAB data | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|-----------------------------|-------------|---------|---------|--------------|--------------|
| O <sub>Ma</sub>             | 76.43       | 26.27   | 10.57   | 28.32        | 22           |
| Y <sub>Ma</sub>             | 93.93       | -10.76  | 34.63   | 36.27        | 107          |
| L <sub>Ma</sub>             | 89.32       | -35.8   | 27.64   | 45.24        | 142          |
| C <sub>Ma</sub>             | 90.93       | -21.95  | -7.07   | 23.07        | 198          |
| V <sub>Ma</sub>             | 72.1        | 15.76   | -35.63  | 38.97        | 294          |
| M <sub>Ma</sub>             | 78.5        | 37.52   | -25.23  | 45.22        | 326          |
| N <sub>Ma</sub>             | 69.7        | 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          |



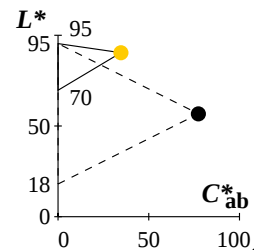
%Gamut  
 $u^*_{rel} = 16$   
%Regularity  
 $g^*_{H,rel} = 34$   
 $g^*_{C,rel} = 51$

| TLS70            | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------------------|-------------|---------|---------|--------------|--------------|
| O <sub>M</sub>   | 76.43       | 26.27   | 10.57   | 28.32        | 22           |
| Y <sub>M</sub>   | 93.93       | -10.76  | 34.63   | 36.27        | 107          |
| L <sub>M</sub>   | 89.32       | -35.8   | 27.64   | 45.24        | 142          |
| C <sub>M</sub>   | 90.93       | -21.95  | -7.07   | 23.07        | 198          |
| V <sub>M</sub>   | 72.1        | 15.76   | -35.63  | 38.97        | 294          |
| M <sub>M</sub>   | 78.5        | 37.52   | -25.23  | 45.22        | 326          |
| N <sub>M</sub>   | 69.7        | 0.0     | 0.0     | 0.0          | 0            |
| W <sub>M</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          |

Relative CIELAB chroma diagram: ( $a_r^* = lab^*a$ ,  $b_r^* = lab^*b$ ) and absolute CIELAB hue triangle diagram: ( $L^*$ ,  $C_{ab}^*$ ) for input (---) and output (---)  
SRS18: Input (i) colorimetric system; Six hue angles of the colour device: (30.0, 90.0, 150.0, 210.0, 270.0, 330.0); Four hue angles of the elementary colours: (25.5, 92.3, 162.2, 271.7)  
TLS70: Output (o) colorimetric system; Six hue angles of the colour device: (21.9, 107.3, 142.3, 197.9, 293.9, 326.1); Four hue angles of the elementary colours: (25.5, 92.3, 162.2, 271.7)

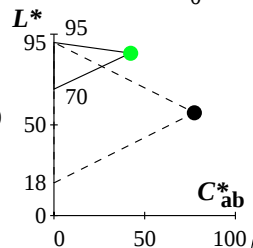
#### Y Yellow

olv3Mi = 1.0 1.0 0.0  
olv3Mo = 1.0 0.798 0.0  
LCHMi = 56.7 77.4 90  
LCHo = 90.4 34.7 90  
tchMi = 0.5 1.0 0.25  
tchMo = 0.5 1.0 0.25



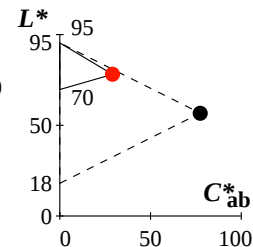
#### L Leaf green

olv3Mi = 0.0 1.0 0.0  
olv3Mo = 0.0 1.0 0.138  
LCHMi = 56.7 77.4 150  
LCHo = 89.5 42.2 150  
tchMi = 0.5 1.0 0.417  
tchMo = 0.5 1.0 0.417



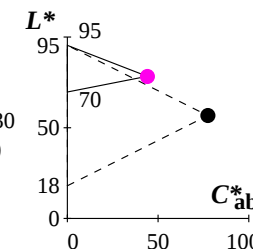
#### O Orange red

olv3Mi = 1.0 0.0 0.0  
olv3Mo = 1.0 0.095 0.0  
LCHMi = 56.7 77.4 30  
LCHo = 78.1 29.1 30  
tchMi = 0.5 1.0 0.083  
tchMo = 0.5 1.0 0.083



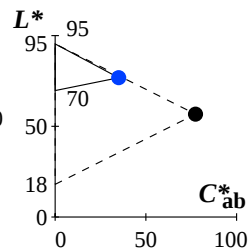
#### M Magenta red

olv3Mi = 1.0 0.0 1.0  
olv3Mo = 1.0 0.0 0.93  
LCHMi = 56.7 77.4 330  
LCHo = 78.4 44.0 330  
tchMi = 0.5 1.0 0.917  
tchMo = 0.5 1.0 0.917



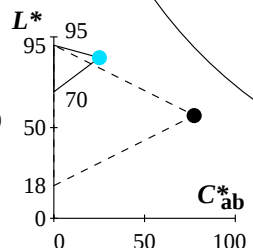
#### V Violet blue

olv3Mi = 0.0 0.0 1.0  
olv3Mo = 0.0 0.249 1.0  
LCHMi = 56.7 77.4 270  
LCHo = 76.8 35.0 270  
tchMi = 0.5 1.0 0.75  
tchMo = 0.5 1.0 0.75



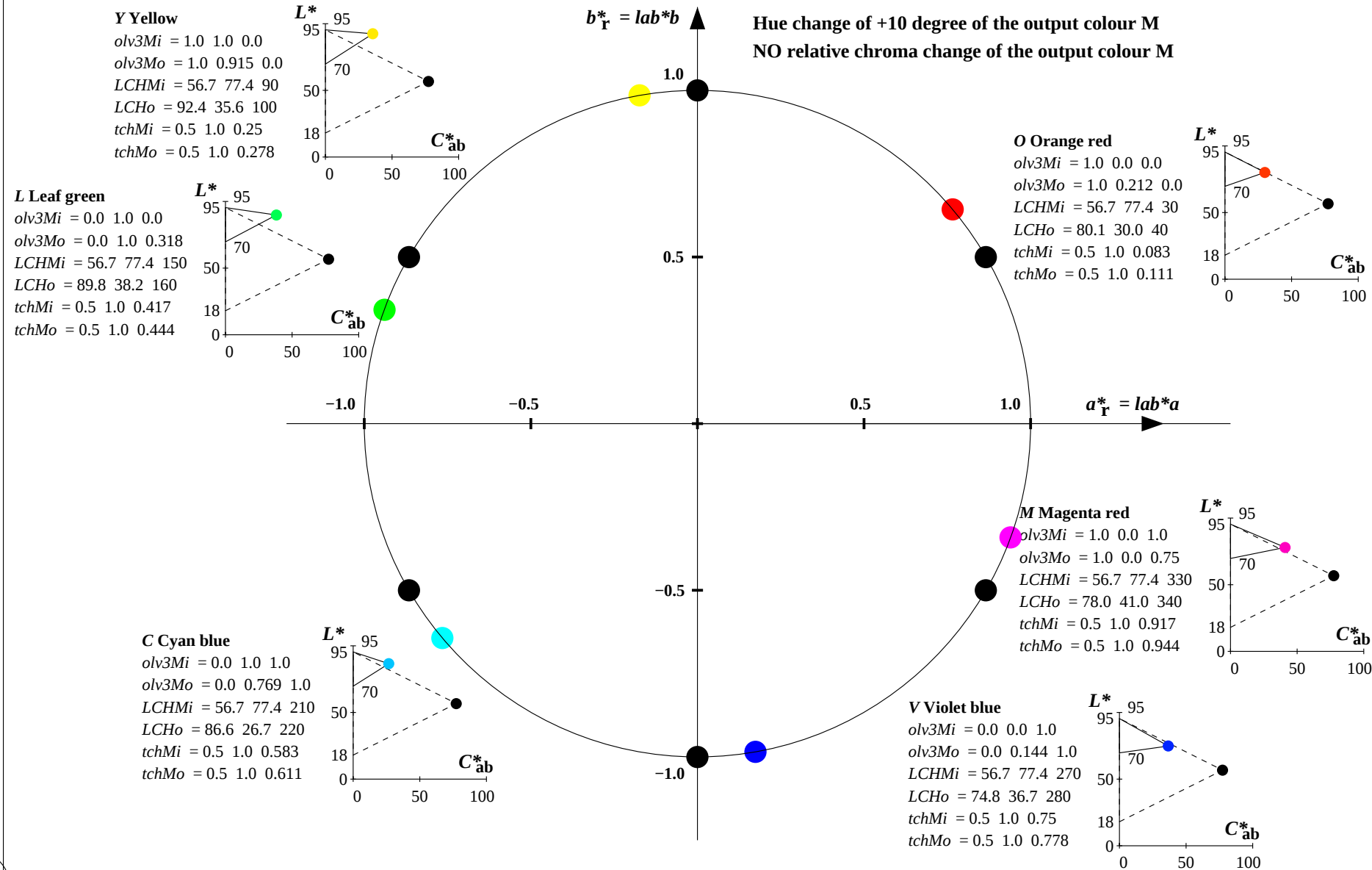
#### C Cyan blue

olv3Mi = 0.0 1.0 1.0  
olv3Mo = 0.0 0.874 1.0  
LCHMi = 56.7 77.4 210  
LCHo = 88.6 25.1 210  
tchMi = 0.5 1.0 0.583  
tchMo = 0.5 1.0 0.583



NO hue change of the output colour M  
NO relative chroma change of the output colour M

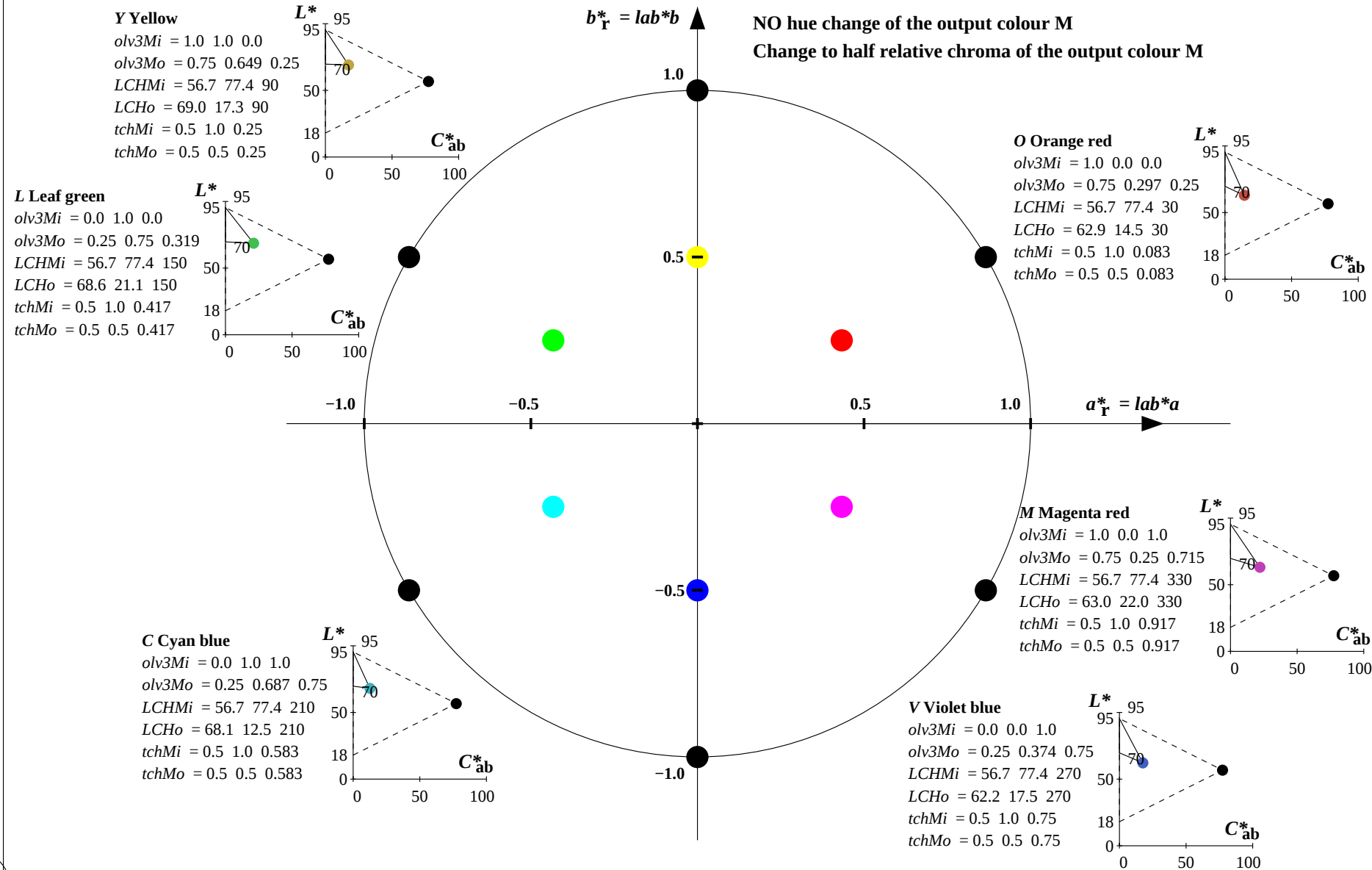
Relative CIELAB chroma diagram: ( $a_r^* = lab^*a$ ,  $b_r^* = lab^*b$ ) and absolute CIELAB hue triangle diagram: ( $L^*$ ,  $C_{ab}^*$ ) for input (---) and output (---)  
SRS18: Input (i) colorimetric system; Six hue angles of the colour device: (30.0, 90.0, 150.0, 210.0, 270.0, 330.0); Four hue angles of the elementary colours: (25.5, 92.3, 162.2, 271.7)  
TLS70: Output (o) colorimetric system; Six hue angles of the colour device: (21.9, 107.3, 142.3, 197.9, 293.9, 326.1); Four hue angles of the elementary colours: (25.5, 92.3, 162.2, 271.7)



YE660-7, Colour Management Workflow: Device Colour Input Data of the Colour Space SRS18 -> Device Colour Output Data of Output Space TLS70, page 31/32

BAM-test chart YE66; Colorimetric workflow SRS18->TLS70 input: olv\* setrgbcolor  
D65: 6 basic colours; Device and sample data; page 31/32 output: no change compared to input

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