

## Input: Colorimetric Reflective System ORS18

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

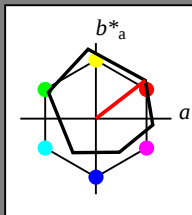
$lab^*tch$  and  $lab^*nch$

D65: hue O

LCH\*Ma: 48 83 38

rgb\*Ma: 1.0 0.0 0.0

triangle lightness  $t^*$



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)  
olvi3\* 1.0 1.0 1.0 (1.0)  
cmyn3\* 0.0 0.0 0.0 (0.0)  
olvi4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 95.41 -0.97 4.75  
LAB\*LABa 95.41 0.0 0.0  
LAB\*LABb 95.41 0.0 0.0  
LAB\*LABc 95.41 0.0 0.0  
relative CIELAB lab\*  
lab\*lab 1.0 0.0 0.0  
lab\*tch 1.0 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 1.0 0.0 0.0  
lab\*trc 1.0 0.0 0.0  
lab\*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)  
olvi3\* 1.0 0.75 0.75 (1.0)  
cmyn3\* 0.0 0.25 0.25 (0.0)  
olvi4\* 1.0 0.75 0.75 (1.0)  
cmyn4\* 0.0 0.25 0.25 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 83.54 15.58 16.58  
LAB\*LABa 83.54 16.34 12.62  
LAB\*LABb 83.54 16.34 12.62  
LAB\*LABc 83.54 16.34 12.62  
relative CIELAB lab\*  
lab\*lab 0.847 0.198 0.153  
lab\*tch 0.875 0.25 0.105  
lab\*nch 0.0 0.25 0.105  
relative Natural Colour (NC)  
lab\*trj 0.847 0.238 0.075  
lab\*trc 0.875 0.25 0.048  
lab\*ncc 0.0 0.25 0.119

relative Inform. Technology (IT)  
olvi3\* 1.0 0.5 0.5 (1.0)  
cmyn3\* 0.0 0.5 0.5 (0.0)  
olvi4\* 1.0 0.5 0.5 (1.0)  
cmyn4\* 0.0 0.5 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 71.67 32.15 28.41  
LAB\*LABa 71.67 32.68 25.25  
LAB\*LABb 71.67 32.68 25.25  
LAB\*LABc 71.67 32.68 25.25  
relative CIELAB lab\*  
lab\*lab 0.693 0.396 0.306  
lab\*tch 0.75 0.5 0.105  
lab\*nch 0.0 0.5 0.105  
relative Natural Colour (NC)  
lab\*trj 0.693 0.477 0.15  
lab\*trc 0.75 0.5 0.048  
lab\*ncc 0.0 0.5 0.119

relative Inform. Technology (IT)  
olvi3\* 1.0 0.25 0.25 (1.0)  
cmyn3\* 0.0 0.25 0.25 (0.0)  
olvi4\* 1.0 0.25 0.25 (1.0)  
cmyn4\* 0.0 0.25 0.25 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 59.81 48.72 40.24  
LAB\*LABa 59.81 49.02 37.88  
LAB\*LABb 59.81 49.02 37.88  
LAB\*LABc 59.81 49.02 37.88  
relative CIELAB lab\*  
lab\*lab 0.54 0.593 0.459  
lab\*tch 0.625 0.75 0.105  
lab\*nch 0.0 0.75 0.105  
relative Natural Colour (NC)  
lab\*trj 0.54 0.715 0.225  
lab\*trc 0.625 0.75 0.048  
lab\*ncc 0.0 0.75 0.119

relative Inform. Technology (IT)  
olvi3\* 1.0 0.0 0.0 (1.0)  
cmyn3\* 0.0 0.0 0.0 (0.0)  
olvi4\* 1.0 0.0 0.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 49.37 38.93  
LAB\*LABa 49.37 39.02 37.88  
LAB\*LABb 49.37 39.02 37.88  
LAB\*LABc 49.37 39.02 37.88  
relative CIELAB lab\*  
lab\*lab 0.387 0.791 0.611  
lab\*tch 0.5 0.0 0.105  
lab\*nch 0.0 0.0 0.105  
relative Natural Colour (NC)  
lab\*trj 0.387 0.954 0.299  
lab\*trc 0.5 0.0 0.119  
lab\*ncc 0.0 0.0 0.119

relative Inform. Technology (IT)  
olvi3\* 0.5 0.5 0.5 (1.0)  
cmyn3\* 0.5 0.5 0.5 (0.0)  
olvi4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 56.71 0.23 2.14  
LAB\*LABa 56.71 0.23 2.14  
LAB\*LABb 56.71 0.23 2.14  
LAB\*LABc 56.71 0.23 2.14  
relative CIELAB lab\*  
lab\*lab 0.5 0.0 0.0  
lab\*tch 0.5 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 0.5 0.0 0.0  
lab\*trc 0.5 0.0 0.0  
lab\*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)  
olvi3\* 0.25 0.25 0.25 (1.0)  
cmyn3\* 0.25 0.25 0.25 (0.0)  
olvi4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 53.17 33.48 19.19  
LAB\*LABa 53.17 33.48 19.19  
LAB\*LABb 53.17 33.48 19.19  
LAB\*LABc 53.17 33.48 19.19  
relative CIELAB lab\*  
lab\*lab 0.352 0.217 0.124  
lab\*tch 0.375 0.25 0.083  
lab\*nch 0.0 0.25 0.083  
relative Natural Colour (NC)  
lab\*trj 0.352 0.248 0.03  
lab\*trc 0.375 0.25 0.019  
lab\*ncc 0.0 0.25 0.071

relative Inform. Technology (IT)  
olvi3\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 0.0 0.0 0.0 (0.0)  
olvi4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 50.01 0.0 0.0  
LAB\*LABa 50.01 0.0 0.0  
LAB\*LABb 50.01 0.0 0.0  
LAB\*LABc 50.01 0.0 0.0  
relative CIELAB lab\*  
lab\*lab 0.25 0.0 0.0  
lab\*tch 0.25 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 0.25 0.0 0.0  
lab\*trc 0.25 0.0 0.0  
lab\*ncc 0.0 0.0 0.0

relative Inform. Technology (IT)  
olvi3\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 0.0 0.0 0.0 (0.0)  
olvi4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 48.02 0.0 0.0  
LAB\*LABa 48.02 0.0 0.0  
LAB\*LABb 48.02 0.0 0.0  
LAB\*LABc 48.02 0.0 0.0  
relative CIELAB lab\*  
lab\*lab 0.102 0.217 0.124  
lab\*tch 0.125 0.25 0.083  
lab\*nch 0.0 0.25 0.083  
relative Natural Colour (NC)  
lab\*trj 0.102 0.248 0.03  
lab\*trc 0.125 0.25 0.019  
lab\*ncc 0.0 0.25 0.071

relative Inform. Technology (IT)  
olvi3\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 0.0 0.0 0.0 (0.0)  
olvi4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 46.08 0.0 0.0  
LAB\*LABa 46.08 0.0 0.0  
LAB\*LABb 46.08 0.0 0.0  
LAB\*LABc 46.08 0.0 0.0  
relative CIELAB lab\*  
lab\*lab 0.097 0.198 0.153  
lab\*tch 0.125 0.25 0.083  
lab\*nch 0.0 0.25 0.083  
relative Natural Colour (NC)  
lab\*trj 0.097 0.238 0.075  
lab\*trc 0.125 0.25 0.048  
lab\*ncc 0.0 0.25 0.119

relative Inform. Technology (IT)  
olvi3\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 0.0 0.0 0.0 (0.0)  
olvi4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 44.08 0.0 0.0  
LAB\*LABa 44.08 0.0 0.0  
LAB\*LABb 44.08 0.0 0.0  
LAB\*LABc 44.08 0.0 0.0  
relative CIELAB lab\*  
lab\*lab 0.097 0.198 0.153  
lab\*tch 0.125 0.25 0.083  
lab\*nch 0.0 0.25 0.083  
relative Natural Colour (NC)  
lab\*trj 0.097 0.238 0.075  
lab\*trc 0.125 0.25 0.048  
lab\*ncc 0.0 0.25 0.119

## ORS18; adapted (a) CIELAB data

|      | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------|-------------|---------|---------|--------------|--------------|
| OMa  | 47.94       | 65.37   | 50.52   | 82.62        | 38           |
| YMa  | 90.37       | -10.27  | 91.77   | 92.34        | 96           |
| LMa  | 50.9        | -62.79  | 34.95   | 71.87        | 151          |
| CMa  | 58.62       | -30.35  | -45.01  | 54.3         | 236          |
| VMa  | 25.71       | 31.11   | -44.42  | 54.24        | 305          |
| MMa  | 48.13       | 75.27   | -8.35   | 75.73        | 354          |
| NMa  | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| WMa  | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| RCIE | 39.92       | 58.66   | 26.98   | 64.56        | 25           |
| JCIE | 81.26       | -2.17   | 67.76   | 67.79        | 92           |
| GCIE | 52.23       | -42.26  | 11.75   | 43.87        | 164          |
| BCIE | 30.57       | 1.15    | -46.84  | 46.87        | 271          |

% Regularity

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

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

$n^* = 0.00$

0.25

$n^* = 0.25$

$n^* = 0.50$

0.25

0.50

0.75

1.00

chromaticness  $c^*$

$n^* = 1.0$

0.25

0.50

0.75

1.00

1.25

1.50

1.75

2.00

2.25

2.50

2.75

3.00

3.25

3.50

3.75

4.00

4.25

4.50

4.75

5.00

5.25

5.50

5.75

6.00

6.25

6.50

6.75

7.00

7.25

7.50

7.75

8.00

8.25

8.50

8.75

9.00

9.25

9.50

9.75

10.00

10.25

10.50

10.75

11.00

11.25

11.50

11.75

12.00

12.25

12.50

12.75

13.00

13.25

13.50

13.75

14.00

14.25

14.50

14.75

15.00

15.25

15.50

15.75

16.00

16.25

16.50

16.75

17.00

17.25

17.50

17.75

18.00

18.25

18.50

18.75

19.00

19.25

19.50

19.75

20.00

20.25

20.50

20.75

21.00

21.25

21.50

21.75

22.00

22.25

22.50

22.75

23.00

23.25

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25.00

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25.50

25.75

26.00

26.25

26.50

26.75

27.00

27.25

27.50

27.75

28.00

28.25

28.50

28.75

29.00

29.25

29.50

29.75

30.00

30.25

30.50

30.75

31.00

31.25

31.50

31.75

32.00

32.25

32.50

32.75

33.00

33.25

33.50

33.75

34.00

34.25

34.50

34.75

35.00

35.25

35.50

35.75

36.00

36.25

36.50

36.75

37.00

37.25

37.50

37.75

38.00

38.25

38.50

38.75

39.00

39.25

39.50

39.75

40.00

40.25

40.50

40.75

41.00

41.25

## Input: Colorimetric Reflective System ORS18

for hue  $h^* = lab^*h = 96/360 = 0.268$

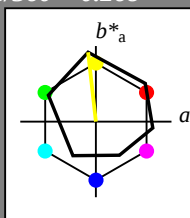
$lab^*tch$  and  $lab^*nch$

D65: hue Y

LCH\*Ma: 90 92 96

rgb\*Ma: 1.0 1.0 0.0

triangle lightness  $t^*$



$u^*_{rel} = 93$

relative Inform. Technology (IT)

|        |     |     |     |       |
|--------|-----|-----|-----|-------|
| olvi3* | 1.0 | 1.0 | 1.0 | (1.0) |
| cmyn3* | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi4* | 1.0 | 1.0 | 1.0 | 1.0   |
| cmyn4* | 0.0 | 0.0 | 0.0 | 0.0   |

standard and adapted CIELAB

|          |       |       |      |
|----------|-------|-------|------|
| LAB*LAB  | 95.41 | -0.97 | 4.75 |
| LAB*LABa | 95.41 | 0.0   | 0.0  |
| LAB*LABb | 99.99 | 0.0   | 0.0  |

relative Inform. Technology (IT)

|        |     |     |      |       |
|--------|-----|-----|------|-------|
| olvi3* | 1.0 | 1.0 | 0.75 | (1.0) |
| cmyn3* | 0.0 | 0.0 | 0.0  | (0.0) |
| olvi4* | 1.0 | 1.0 | 0.75 | 1.0   |
| cmyn4* | 0.0 | 0.0 | 0.0  | 0.25  |

standard and adapted CIELAB

|          |       |       |       |
|----------|-------|-------|-------|
| LAB*LAB  | 94.14 | -3.51 | 27.61 |
| LAB*LABa | 94.14 | -2.56 | 22.94 |
| LAB*LABb | 97.5  | 23.08 | 96.39 |

relative Inform. Technology (IT)

|        |     |     |     |       |
|--------|-----|-----|-----|-------|
| olvi3* | 1.0 | 1.0 | 0.5 | (1.0) |
| cmyn3* | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi4* | 1.0 | 1.0 | 0.5 | 1.0   |
| cmyn4* | 0.0 | 0.0 | 0.0 | 0.0   |

standard and adapted CIELAB

|          |       |       |       |
|----------|-------|-------|-------|
| LAB*LAB  | 92.88 | -6.06 | 50.46 |
| LAB*LABa | 92.88 | -5.13 | 45.87 |
| LAB*LABb | 97.5  | 23.08 | 96.39 |

relative Inform. Technology (IT)

|        |     |     |      |       |
|--------|-----|-----|------|-------|
| olvi3* | 1.0 | 1.0 | 0.25 | (1.0) |
| cmyn3* | 0.0 | 0.0 | 0.0  | (0.0) |
| olvi4* | 1.0 | 1.0 | 0.25 | 1.0   |
| cmyn4* | 0.0 | 0.0 | 0.0  | 0.0   |

standard and adapted CIELAB

|          |       |       |       |
|----------|-------|-------|-------|
| LAB*LAB  | 91.62 | -8.6  | 73.32 |
| LAB*LABa | 91.62 | -7.7  | 68.82 |
| LAB*LABb | 97.5  | 23.08 | 96.39 |

relative Inform. Technology (IT)

|        |     |     |     |       |
|--------|-----|-----|-----|-------|
| olvi3* | 1.0 | 1.0 | 0.0 | (1.0) |
| cmyn3* | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi4* | 1.0 | 1.0 | 0.0 | 1.0   |
| cmyn4* | 0.0 | 0.0 | 0.0 | 0.0   |

standard and adapted CIELAB

|          |       |        |       |
|----------|-------|--------|-------|
| LAB*LAB  | 90.37 | -11.15 | 96.17 |
| LAB*LABa | 90.37 | -10.26 | 91.75 |
| LAB*LABb | 97.5  | 23.08  | 96.39 |

ORS18; adapted (a) CIELAB data

|      | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------|-------------|---------|---------|--------------|--------------|
| QMa  | 47.94       | 65.37   | 50.52   | 82.62        | 38           |
| YMa  | 90.37       | -10.27  | 91.77   | 92.34        | 96           |
| LMa  | 50.59       | -62.79  | 34.95   | 71.87        | 151          |
| CMa  | 58.62       | -30.35  | -45.01  | 54.3         | 236          |
| VMa  | 25.71       | 31.11   | -44.42  | 54.24        | 305          |
| MMa  | 48.13       | 75.27   | -8.35   | 75.73        | 354          |
| NMa  | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| WMa  | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| RCIE | 39.92       | 58.66   | 26.98   | 64.56        | 25           |
| JCIE | 81.26       | -2.17   | 67.76   | 67.79        | 92           |
| GCIE | 52.23       | -42.26  | 11.75   | 43.87        | 164          |
| BCIE | 30.57       | 1.15    | -46.84  | 46.87        | 271          |

%Regularity

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

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

relative Inform. Technology (IT)

|        |     |     |     |       |
|--------|-----|-----|-----|-------|
| olvi3* | 1.0 | 1.0 | 0.5 | (1.0) |
| cmyn3* | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi4* | 1.0 | 1.0 | 0.5 | 1.0   |
| cmyn4* | 0.0 | 0.0 | 0.0 | 0.25  |

standard and adapted CIELAB

|          |       |       |       |
|----------|-------|-------|-------|
| LAB*LAB  | 91.62 | -8.6  | 73.32 |
| LAB*LABa | 91.62 | -7.7  | 68.82 |
| LAB*LABb | 97.5  | 23.08 | 96.39 |

relative Inform. Technology (IT)

|        |     |     |      |       |
|--------|-----|-----|------|-------|
| olvi3* | 1.0 | 1.0 | 0.25 | (1.0) |
| cmyn3* | 0.0 | 0.0 | 0.0  | (0.0) |
| olvi4* | 1.0 | 1.0 | 0.25 | 1.0   |
| cmyn4* | 0.0 | 0.0 | 0.0  | 0.0   |

standard and adapted CIELAB

|          |       |        |       |
|----------|-------|--------|-------|
| LAB*LAB  | 90.37 | -11.15 | 96.17 |
| LAB*LABa | 90.37 | -10.26 | 91.75 |
| LAB*LABb | 97.5  | 23.08  | 96.39 |

relative Inform. Technology (IT)

|        |     |     |     |       |
|--------|-----|-----|-----|-------|
| olvi3* | 1.0 | 1.0 | 0.0 | (1.0) |
| cmyn3* | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi4* | 1.0 | 1.0 | 0.0 | 1.0   |
| cmyn4* | 0.0 | 0.0 | 0.0 | 0.0   |

standard and adapted CIELAB

|          |       |        |       |
|----------|-------|--------|-------|
| LAB*LAB  | 90.37 | -11.15 | 96.17 |
| LAB*LABa | 90.37 | -10.26 | 91.75 |
| LAB*LABb | 97.5  | 23.08  | 96.39 |

relative Inform. Technology (IT)

|        |     |     |     |       |
|--------|-----|-----|-----|-------|
| olvi3* | 1.0 | 1.0 | 0.0 | (1.0) |
| cmyn3* | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi4* | 1.0 | 1.0 | 0.0 | 1.0   |
| cmyn4* | 0.0 | 0.0 | 0.0 | 0.0   |

standard and adapted CIELAB

|          |       |        |       |
|----------|-------|--------|-------|
| LAB*LAB  | 90.37 | -11.15 | 96.17 |
| LAB*LABa | 90.37 | -10.26 | 91.75 |
| LAB*LABb | 97.5  | 23.08  | 96.39 |

relative Inform. Technology (IT)

|        |      |      |      |       |
|--------|------|------|------|-------|
| olvi3* | 0.75 | 0.75 | 0.75 | (1.0) |
| cmyn3* | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi4* | 1.0  | 1.0  | 1.0  | 1.0   |
| cmyn4* | 0.0  | 0.0  | 0.0  | 0.25  |

standard and adapted CIELAB

|          |       |      |      |
|----------|-------|------|------|
| LAB*LAB  | 76.06 | -0.6 | 3.44 |
| LAB*LABa | 76.06 | 0.0  | 0.0  |
| LAB*LABb | 75.0  | 0.0  | 0.0  |

relative Inform. Technology (IT)

|        |      |      |      |       |
|--------|------|------|------|-------|
| olvi3* | 0.75 | 0.75 | 0.5  | (1.0) |
| cmyn3* | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi4* | 1.0  | 1.0  | 0.75 | 1.0   |
| cmyn4* | 0.0  | 0.0  | 0.0  | 0.25  |

standard and adapted CIELAB

|          |      |       |       |
|----------|------|-------|-------|
| LAB*LAB  | 74.8 | -3.14 | 26.31 |
| LAB*LABa | 74.8 | -2.56 | 22.94 |
| LAB*LABb | 75.0 | 23.08 | 96.39 |

relative Inform. Technology (IT)

|        |      |      |      |       |
|--------|------|------|------|-------|
| olvi3* | 0.75 | 0.75 | 0.25 | (1.0) |
| cmyn3* | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi4* | 1.0  | 1.0  | 0.5  | 1.0   |
| cmyn4* | 0.0  | 0.0  | 0.0  | 0.0   |

standard and adapted CIELAB

|          |       |       |       |
|----------|-------|-------|-------|
| LAB*LAB  | 73.54 | -5.13 | 45.88 |
| LAB*LABa | 73.54 | -4.61 | 41.39 |
| LAB*LABb | 75.0  | 23.08 | 96.39 |

relative Inform. Technology (IT)

|        |      |      |     |       |
|--------|------|------|-----|-------|
| olvi3* | 0.75 | 0.75 | 0.0 | (1.0) |
| cmyn3* | 0.25 | 0.25 | 0.0 | (0.0) |
| olvi4* | 1.0  | 1.0  | 0.0 | 1.0   |
| cmyn4* | 0.0  | 0.0  | 0.0 | 0.0   |

standard and adapted CIELAB

|          |       |       |       |
|----------|-------|-------|-------|
| LAB*LAB  | 73.54 | -5.13 | 45.88 |
| LAB*LABa | 73.54 | -4.61 | 41.39 |
| LAB*LABb | 75.0  | 23.08 | 96.39 |

relative Inform. Technology (IT)

|        |      |      |     |       |
|--------|------|------|-----|-------|
| olvi3* | 0.75 | 0.75 | 0.0 | (1.0) |
| cmyn3* | 0.25 | 0.25 | 0.0 | (0.0) |
| olvi4* | 1.0  | 1.0  | 0.0 | 1.0   |
| cmyn4* | 0.0  | 0.0  | 0.0 | 0.0   |

standard and adapted CIELAB

|          |       |       |       |
|----------|-------|-------|-------|
| LAB*LAB  | 73.54 | -5.13 | 45.88 |
| LAB*LABa | 73.54 | -4.61 | 41.39 |
| LAB*LABb | 75.0  | 23.08 | 96.39 |

relative Inform. Technology (IT)

|        |      |      |     |       |
|--------|------|------|-----|-------|
| olvi3* | 0.75 | 0.75 | 0.0 | (1.0) |
| cmyn3* | 0.25 | 0.25 | 0.0 | (0.0) |
| olvi4* | 1.0  | 1.0  | 0.0 | 1.0   |
| cmyn4* | 0.0  | 0.0  | 0.0 | 0.0   |

standard and adapted CIELAB

|          |       |       |       |
|----------|-------|-------|-------|
| LAB*LAB  | 73.54 | -5.13 | 45.88 |
| LAB*LABa | 73.54 | -4.61 | 41.39 |
| LAB*LABb | 75.0  | 23.08 | 96.39 |

relative Inform. Technology (IT)

|        |      |      |     |       |
|--------|------|------|-----|-------|
| olvi3* | 0.75 | 0.75 | 0.0 | (1.0) |
| cmyn3* | 0.25 | 0.25 | 0.0 | (0.0) |
| olvi4* | 1.0  | 1.0  | 0.0 | 1.0   |
| cmyn4* | 0.0  | 0.0  | 0.0 | 0.0   |

standard and adapted CIELAB

|          |       |       |       |
|----------|-------|-------|-------|
| LAB*LAB  | 73.54 | -5.13 | 45.88 |
| LAB*LABa | 73.54 | -4.61 | 41.39 |
| LAB*LABb | 75.0  | 23.08 | 96.39 |

relative Inform. Technology (IT)

|        |     |     |     |       |
|--------|-----|-----|-----|-------|
| olvi3* | 0.5 | 0.5 | 0.5 | (1.0) |
| cmyn3* | 0.5 | 0.5 | 0.5 | (0.0) |
| olvi4* | 1.0 | 1.0 | 1.0 | 1.0   |
| cmyn4* | 0.0 | 0.0 | 0.0 | 0.5   |

standard and adapted CIELAB

|          |       |       |      |
|----------|-------|-------|------|
| LAB*LAB  | 56.71 | -0.23 | 2.14 |
| LAB*LABa | 56.71 | 0.0   | 0.0  |
| LAB*LABb | 50.0  | 0.0   | 0.0  |

relative Inform. Technology (IT)

|        |     |     |      |       |
|--------|-----|-----|------|-------|
| olvi3* | 0.5 | 0.5 | 0.25 | (1.0) |
| cmyn3* | 0.5 | 0.5 | 0.25 | (0.0) |
| olvi4* | 1.0 | 1.0 | 0.75 | 1.0   |
| cmyn4* | 0.0 | 0.0 | 0.0  | 0.25  |

standard and adapted CIELAB

|          |       |       |       |
|----------|-------|-------|-------|
| LAB*LAB  | 55.45 | -2.77 | 25.0  |
| LAB*LABa | 55.45 | -2.56 | 22.94 |
| LAB*LABb | 50.0  | 23.08 | 96.39 |

relative Inform. Technology (IT)

|        |     |     |     |       |
|--------|-----|-----|-----|-------|
| olvi3* | 0.5 | 0.5 | 0.0 | (1.0) |
| cmyn3* | 0.5 | 0.5 | 0.0 | (0.0) |
| olvi4* | 1.0 | 1.0 | 0.5 | 1.0   |
| cmyn4* | 0.0 | 0.0 | 0.0 | 0.0   |

standard and adapted CIELAB

|          |       |       |       |
|----------|-------|-------|-------|
| LAB*LAB  | 54.19 | -4.75 | 47.85 |
| LAB*LABa | 54.19 | -4.23 | 43.37 |
| LAB*LABb | 50.0  | 23.08 | 96.39 |

relative Inform. Technology (IT)

|        |     |     |      |       |
|--------|-----|-----|------|-------|
| olvi3* | 0.5 | 0.5 | 0.0  | (1.0) |
| cmyn3* | 0.5 | 0.5 | 0.0  | (0.0) |
| olvi4* | 1.0 | 1.0 | 0.25 | 1.0   |
| cmyn4* | 0.0 | 0.0 | 0.0  | 0.0   |

standard and adapted CIELAB

|          |       |       |       |
|----------|-------|-------|-------|
| LAB*LAB  | 52.28 | -8.23 | 72.01 |
| LAB*LABa | 52.28 | -7.7  | 68.82 |
| LAB*LABb | 50.0  | 23.08 | 96.39 |

relative Inform. Technology (IT)

|        |     |     |     |       |
|--------|-----|-----|-----|-------|
| olvi3* | 0.5 | 0.5 | 0.0 | (1.0) |
| cmyn3* | 0.5 | 0.5 | 0.0 | (0.0) |
| olvi4* | 1.0 | 1.0 | 0.0 | 1.0   |
| cmyn4* | 0.0 | 0.0 | 0.0 | 0.0   |

standard and adapted CIELAB

|          |       |        |       |
|----------|-------|--------|-------|
| LAB*LAB  | 50.37 | -11.15 | 96.17 |
| LAB*LABa | 50.37 | -10.26 | 91.75 |
| LAB*LABb | 50.0  | 23.08  | 96.39 |

relative Inform. Technology (IT)

|        |     |     |     |       |
|--------|-----|-----|-----|-------|
| olvi3* | 0.5 | 0.5 | 0.0 | (1.0) |
| cmyn3* | 0.5 | 0.5 | 0.0 | (0.0) |
| olvi4* | 1.0 | 1.0 | 0.0 | 1.0   |
| cmyn4* | 0.0 | 0.0 | 0.0 | 0.0   |

standard and adapted CIELAB

|          |       |        |       |
|----------|-------|--------|-------|
| LAB*LAB  | 50.37 | -11.15 | 96.17 |
| LAB*LABa | 50.37 | -10.26 | 91.75 |
| LAB*LABb | 50.0  | 23.08  | 96.39 |

relative Inform. Technology (IT)

|        |     |     |     |       |
|--------|-----|-----|-----|-------|
| olvi3* | 0.5 | 0.5 | 0.0 | (1.0) |
| cmyn3* | 0.5 | 0.5 | 0.0 | (0.0) |
| olvi4* | 1.0 | 1.0 | 0.0 | 1.0   |
| cmyn4* | 0.0 | 0.0 | 0.0 | 0.0   |

standard and adapted CIELAB

|          |       |        |       |
|----------|-------|--------|-------|
| LAB*LAB  | 50.37 | -11.15 | 96.17 |
| LAB*LABa | 50.37 | -10.26 | 91.75 |
| LAB*LABb | 50.0  | 23.08  | 96.39 |

relative Inform. Technology (IT)

|        |      |      |      |       |
|--------|------|------|------|-------|
| olvi3* | 0.25 | 0.25 | 0.25 | (1.0) |
| cmyn3* | 0.75 | 0.75 | 0.75 | (0.0) |
| olvi4* | 1.0  | 1.0  | 1.0  | 1.0   |
| cmyn4* | 0.0  | 0.0  | 0.0  | 0.75  |

standard and adapted CIELAB

|          |       |       |      |
|----------|-------|-------|------|
| LAB*LAB  | 37.36 | -0.13 | 0.63 |
| LAB*LABa | 37.36 | 0.0   | 0.0  |
| LAB*LABb | 25.0  | 0.0   | 0.0  |

relative Inform. Technology (IT)

|        |      |      |     |       |
|--------|------|------|-----|-------|
| olvi3* | 0.25 | 0.25 | 0.0 | (1.0) |
| cmyn3* | 0.75 | 0.75 | 0.0 | (0.0) |
| olvi4* | 1.0  | 1.0  | 0.5 | 1.0   |
| cmyn4* | 0.0  | 0.0  | 0.0 | 0.0   |

standard and adapted CIELAB

|          |      |       |       |
|----------|------|-------|-------|
| LAB*LAB  | 36.1 | -2.56 | 22.93 |
| LAB*LABa | 36.1 | -2.56 | 22.93 |
| LAB*LABb | 25.0 | 23.08 | 96.39 |

relative Inform. Technology (IT)

|        |      |      |      |       |
|--------|------|------|------|-------|
| olvi3* | 0.25 | 0.25 | 0.0  | (1.0) |
| cmyn3* | 0.75 | 0.75 | 0.0  | (0.0) |
| olvi4* | 1.0  | 1.0  | 0.25 | 1.0   |
| cmyn4* | 0.0  | 0.0  | 0.0  | 0.0   |

standard and adapted CIELAB

|          |       |       |       |
|----------|-------|-------|-------|
| LAB*LAB  | 34.19 | -4.75 | 47.85 |
| LAB*LABa | 34.19 | -4.23 | 43.37 |
| LAB*LABb | 25.0  | 23.08 | 96.39 |

relative Inform. Technology (IT)

|        |      |      |     |       |
|--------|------|------|-----|-------|
| olvi3* | 0.25 | 0.25 | 0.0 | (1.0) |
| cmyn3* | 0.75 | 0.75 | 0.0 | (0.0) |
| olvi4* | 1.0  | 1.0  | 0.0 | 1.0   |
| cmyn4* | 0.0  | 0.0  | 0.0 | 0.0   |

standard and adapted CIELAB

|          |       |       |       |
|----------|-------|-------|-------|
| LAB*LAB  | 32.28 | -8.23 | 72.01 |
| LAB*LABa | 32.28 | -7.7  | 68.82 |
| LAB*LABb | 25.0  | 23.08 | 96.39 |

relative Inform. Technology (IT)

|        |      |      |     |       |
|--------|------|------|-----|-------|
| olvi3* | 0.25 | 0.25 | 0.0 | (1.0) |
| cmyn3* | 0.75 | 0.75 | 0.0 | (0.0) |
| olvi4* | 1.0  | 1.0  | 0.0 | 1.0   |
| cmyn4* | 0.0  | 0.0  | 0.0 | 0.0   |

standard and adapted CIELAB

|          |       |        |       |
|----------|-------|--------|-------|
| LAB*LAB  | 30.37 | -11.15 | 96.17 |
| LAB*LABa | 30.37 | -10.26 | 91.75 |
| LAB*LABb | 25.0  | 23.08  | 96.39 |

relative Inform. Technology (IT)

|        |      |      |     |       |
|--------|------|------|-----|-------|
| olvi3* | 0.25 | 0.25 | 0.0 | (1.0) |
| cmyn3* | 0.75 | 0.75 | 0.0 | (0.0) |
| olvi4* | 1.0  | 1.0  | 0.0 | 1.0   |
| cmyn4* | 0.0  | 0.0  | 0.0 | 0.0   |

standard and adapted CIELAB

|          |       |        |       |
|----------|-------|--------|-------|
| LAB*LAB  | 30.37 | -11.15 | 96.17 |
| LAB*LABa | 30.37 | -10.26 | 91.75 |
| LAB*LABb | 25.0  | 23.08  | 96.39 |

relative Inform. Technol

|        |     |     |    |
|--------|-----|-----|----|
| olvi3* | 0.5 | 0.5 | 0. |
| cmyn3* | 0.5 | 0.5 | 0. |
| olvi4* | 1.0 | 1.0 | 0. |
| cmyn4* | 0.0 | 0.0 | 0. |

standard and adapted C

|          |       |      |
|----------|-------|------|
| LAB*LAB  | 55.53 | -1.8 |
| LAB*LABa | 55.53 | -1.5 |

## Input: Colorimetric Reflective System ORS18

for hue  $h^* = lab^*h = 151/360 = 0.419$

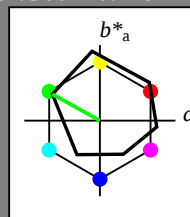
$lab^*tch$  and  $lab^*nch$

D65: hue L

LCH\*Ma: 51 72 151

rgb\*Ma: 0.0 1.0 0.0

triangle lightness  $t^*$



## ORS18; adapted (a) CIELAB data

|      | $L^*=L^*_a$ | $a^*_a$ | $b^*_a$ | $C^*_{ab,a}$ | $h^*_{ab,a}$ |
|------|-------------|---------|---------|--------------|--------------|
| QMa  | 47.94       | 65.37   | 50.52   | 82.62        | 38           |
| YMa  | 90.37       | -10.27  | 91.77   | 92.34        | 96           |
| LMa  | 50.59       | -62.79  | 34.95   | 71.87        | 151          |
| CMa  | 58.62       | -30.35  | -45.01  | 54.3         | 236          |
| VMa  | 25.71       | 31.11   | -44.42  | 54.24        | 305          |
| MMa  | 48.13       | 75.27   | -8.35   | 75.73        | 354          |
| NMa  | 18.01       | 0.0     | 0.0     | 0.0          | 0            |
| WMa  | 95.41       | 0.0     | 0.0     | 0.0          | 0            |
| RCIE | 39.92       | 58.66   | 26.98   | 64.56        | 25           |
| JCIE | 81.26       | -2.17   | 67.76   | 67.79        | 92           |
| GCIE | 52.23       | -42.26  | 11.75   | 43.87        | 164          |
| BCIE | 30.57       | 1.15    | -46.84  | 46.87        | 271          |

%Regularity

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

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

|                                  |                   |
|----------------------------------|-------------------|
| relative Inform. Technology (IT) |                   |
| olvi3*                           | 1.0 1.0 1.0 (1.0) |
| olvi4*                           | 0.0 0.0 0.0 (0.0) |
| olvi5*                           | 0.0 0.0 0.0 (0.0) |
| olvi6*                           | 0.0 0.0 0.0 (0.0) |
| olvi7*                           | 0.0 0.0 0.0 (0.0) |
| olvi8*                           | 0.0 0.0 0.0 (0.0) |
| olvi9*                           | 0.0 0.0 0.0 (0.0) |
| olvi10*                          | 0.0 0.0 0.0 (0.0) |
| olvi11*                          | 0.0 0.0 0.0 (0.0) |
| olvi12*                          | 0.0 0.0 0.0 (0.0) |
| olvi13*                          | 0.0 0.0 0.0 (0.0) |
| olvi14*                          | 0.0 0.0 0.0 (0.0) |
| olvi15*                          | 0.0 0.0 0.0 (0.0) |
| olvi16*                          | 0.0 0.0 0.0 (0.0) |
| olvi17*                          | 0.0 0.0 0.0 (0.0) |
| olvi18*                          | 0.0 0.0 0.0 (0.0) |
| olvi19*                          | 0.0 0.0 0.0 (0.0) |
| olvi20*                          | 0.0 0.0 0.0 (0.0) |
| olvi21*                          | 0.0 0.0 0.0 (0.0) |
| olvi22*                          | 0.0 0.0 0.0 (0.0) |
| olvi23*                          | 0.0 0.0 0.0 (0.0) |
| olvi24*                          | 0.0 0.0 0.0 (0.0) |
| olvi25*                          | 0.0 0.0 0.0 (0.0) |
| olvi26*                          | 0.0 0.0 0.0 (0.0) |
| olvi27*                          | 0.0 0.0 0.0 (0.0) |
| olvi28*                          | 0.0 0.0 0.0 (0.0) |
| olvi29*                          | 0.0 0.0 0.0 (0.0) |
| olvi30*                          | 0.0 0.0 0.0 (0.0) |
| olvi31*                          | 0.0 0.0 0.0 (0.0) |
| olvi32*                          | 0.0 0.0 0.0 (0.0) |
| olvi33*                          | 0.0 0.0 0.0 (0.0) |
| olvi34*                          | 0.0 0.0 0.0 (0.0) |
| olvi35*                          | 0.0 0.0 0.0 (0.0) |
| olvi36*                          | 0.0 0.0 0.0 (0.0) |
| olvi37*                          | 0.0 0.0 0.0 (0.0) |
| olvi38*                          | 0.0 0.0 0.0 (0.0) |
| olvi39*                          | 0.0 0.0 0.0 (0.0) |
| olvi40*                          | 0.0 0.0 0.0 (0.0) |
| olvi41*                          | 0.0 0.0 0.0 (0.0) |
| olvi42*                          | 0.0 0.0 0.0 (0.0) |
| olvi43*                          | 0.0 0.0 0.0 (0.0) |
| olvi44*                          | 0.0 0.0 0.0 (0.0) |
| olvi45*                          | 0.0 0.0 0.0 (0.0) |
| olvi46*                          | 0.0 0.0 0.0 (0.0) |
| olvi47*                          | 0.0 0.0 0.0 (0.0) |
| olvi48*                          | 0.0 0.0 0.0 (0.0) |
| olvi49*                          | 0.0 0.0 0.0 (0.0) |
| olvi50*                          | 0.0 0.0 0.0 (0.0) |
| olvi51*                          | 0.0 0.0 0.0 (0.0) |
| olvi52*                          | 0.0 0.0 0.0 (0.0) |
| olvi53*                          | 0.0 0.0 0.0 (0.0) |
| olvi54*                          | 0.0 0.0 0.0 (0.0) |
| olvi55*                          | 0.0 0.0 0.0 (0.0) |
| olvi56*                          | 0.0 0.0 0.0 (0.0) |
| olvi57*                          | 0.0 0.0 0.0 (0.0) |
| olvi58*                          | 0.0 0.0 0.0 (0.0) |
| olvi59*                          | 0.0 0.0 0.0 (0.0) |
| olvi60*                          | 0.0 0.0 0.0 (0.0) |
| olvi61*                          | 0.0 0.0 0.0 (0.0) |
| olvi62*                          | 0.0 0.0 0.0 (0.0) |
| olvi63*                          | 0.0 0.0 0.0 (0.0) |
| olvi64*                          | 0.0 0.0 0.0 (0.0) |
| olvi65*                          | 0.0 0.0 0.0 (0.0) |
| olvi66*                          | 0.0 0.0 0.0 (0.0) |
| olvi67*                          | 0.0 0.0 0.0 (0.0) |
| olvi68*                          | 0.0 0.0 0.0 (0.0) |
| olvi69*                          | 0.0 0.0 0.0 (0.0) |
| olvi70*                          | 0.0 0.0 0.0 (0.0) |
| olvi71*                          | 0.0 0.0 0.0 (0.0) |
| olvi72*                          | 0.0 0.0 0.0 (0.0) |
| olvi73*                          | 0.0 0.0 0.0 (0.0) |
| olvi74*                          | 0.0 0.0 0.0 (0.0) |
| olvi75*                          | 0.0 0.0 0.0 (0.0) |
| olvi76*                          | 0.0 0.0 0.0 (0.0) |
| olvi77*                          | 0.0 0.0 0.0 (0.0) |
| olvi78*                          | 0.0 0.0 0.0 (0.0) |
| olvi79*                          | 0.0 0.0 0.0 (0.0) |
| olvi80*                          | 0.0 0.0 0.0 (0.0) |
| olvi81*                          | 0.0 0.0 0.0 (0.0) |
| olvi82*                          | 0.0 0.0 0.0 (0.0) |
| olvi83*                          | 0.0 0.0 0.0 (0.0) |
| olvi84*                          | 0.0 0.0 0.0 (0.0) |
| olvi85*                          | 0.0 0.0 0.0 (0.0) |
| olvi86*                          | 0.0 0.0 0.0 (0.0) |
| olvi87*                          | 0.0 0.0 0.0 (0.0) |
| olvi88*                          | 0.0 0.0 0.0 (0.0) |
| olvi89*                          | 0.0 0.0 0.0 (0.0) |
| olvi90*                          | 0.0 0.0 0.0 (0.0) |
| olvi91*                          | 0.0 0.0 0.0 (0.0) |
| olvi92*                          | 0.0 0.0 0.0 (0.0) |
| olvi93*                          | 0.0 0.0 0.0 (0.0) |
| olvi94*                          | 0.0 0.0 0.0 (0.0) |
| olvi95*                          | 0.0 0.0 0.0 (0.0) |
| olvi96*                          | 0.0 0.0 0.0 (0.0) |
| olvi97*                          | 0.0 0.0 0.0 (0.0) |
| olvi98*                          | 0.0 0.0 0.0 (0.0) |
| olvi99*                          | 0.0 0.0 0.0 (0.0) |
| olvi100*                         | 0.0 0.0 0.0 (0.0) |

|                                  |                     |
|----------------------------------|---------------------|
| relative Inform. Technology (IT) |                     |
| olvi3*                           | 0.75 1.0 0.75 (1.0) |
| olvi4*                           | 0.25 0.0 0.25 (0.0) |
| olvi5*                           | 0.75 1.0 0.75 (1.0) |
| olvi6*                           | 0.25 0.0 0.25 (0.0) |
| olvi7*                           | 0.75 1.0 0.75 (1.0) |
| olvi8*                           | 0.25 0.0 0.25 (0.0) |
| olvi9*                           | 0.75 1.0 0.75 (1.0) |
| olvi10*                          | 0.25 0.0 0.25 (0.0) |
| olvi11*                          | 0.75 1.0 0.75 (1.0) |
| olvi12*                          | 0.25 0.0 0.25 (0.0) |
| olvi13*                          | 0.75 1.0 0.75 (1.0) |
| olvi14*                          | 0.25 0.0 0.25 (0.0) |
| olvi15*                          | 0.75 1.0 0.75 (1.0) |
| olvi16*                          | 0.25 0.0 0.25 (0.0) |
| olvi17*                          | 0.75 1.0 0.75 (1.0) |
| olvi18*                          | 0.25 0.0 0.25 (0.0) |
| olvi19*                          | 0.75 1.0 0.75 (1.0) |
| olvi20*                          | 0.25 0.0 0.25 (0.0) |
| olvi21*                          | 0.75 1.0 0.75 (1.0) |
| olvi22*                          | 0.25 0.0 0.25 (0.0) |
| olvi23*                          | 0.75 1.0 0.75 (1.0) |
| olvi24*                          | 0.25 0.0 0.25 (0.0) |
| olvi25*                          | 0.75 1.0 0.75 (1.0) |
| olvi26*                          | 0.25 0.0 0.25 (0.0) |
| olvi27*                          | 0.75 1.0 0.75 (1.0) |
| olvi28*                          | 0.25 0.0 0.25 (0.0) |
| olvi29*                          | 0.75 1.0 0.75 (1.0) |
| olvi30*                          | 0.25 0.0 0.25 (0.0) |
| olvi31*                          | 0.75 1.0 0.75 (1.0) |
| olvi32*                          | 0.25 0.0 0.25 (0.0) |
| olvi33*                          | 0.75 1.0 0.75 (1.0) |
| olvi34*                          | 0.25 0.0 0.25 (0.0) |
| olvi35*                          | 0.75 1.0 0.75 (1.0) |
| olvi36*                          | 0.25 0.0 0.25 (0.0) |
| olvi37*                          | 0.75 1.0 0.75 (1.0) |
| olvi38*                          | 0.25 0.0 0.25 (0.0) |
| olvi39*                          | 0.75 1.0 0.75 (1.0) |
| olvi40*                          | 0.25 0.0 0.25 (0.0) |
| olvi41*                          | 0.75 1.0 0.75 (1.0) |
| olvi42*                          | 0.25 0.0 0.25 (0.0) |
| olvi43*                          | 0.75 1.0 0.75 (1.0) |
| olvi44*                          | 0.25 0.0 0.25 (0.0) |
| olvi45*                          | 0.75 1.0 0.75 (1.0) |
| olvi46*                          | 0.25 0.0 0.25 (0.0) |
| olvi47*                          | 0.75 1.0 0.75 (1.0) |
| olvi48*                          | 0.25 0.0 0.25 (0.0) |
| olvi49*                          | 0.75 1.0 0.75 (1.0) |
| olvi50*                          | 0.25 0.0 0.25 (0.0) |
| olvi51*                          | 0.75 1.0 0.75 (1.0) |
| olvi52*                          | 0.25 0.0 0.25 (0.0) |
| olvi53*                          | 0.75 1.0 0.75 (1.0) |
| olvi54*                          | 0.25 0.0 0.25 (0.0) |
| olvi55*                          | 0.75 1.0 0.75 (1.0) |
| olvi56*                          | 0.25 0.0 0.25 (0.0) |
| olvi57*                          | 0.75 1.0 0.75 (1.0) |
| olvi58*                          | 0.25 0.0 0.25 (0.0) |
| olvi59*                          | 0.75 1.0 0.75 (1.0) |
| olvi60*                          | 0.25 0.0 0.25 (0.0) |
| olvi61*                          | 0.75 1.0 0.75 (1.0) |
| olvi62*                          | 0.25 0.0 0.25 (0.0) |
| olvi63*                          | 0.75 1.0 0.75 (1.0) |
| olvi64*                          | 0.25 0.0 0.25 (0.0) |
| olvi65*                          | 0.75 1.0 0.75 (1.0) |
| olvi66*                          | 0.25 0.0 0.25 (0.0) |
| olvi67*                          | 0.75 1.0 0.75 (1.0) |
| olvi68*                          | 0.25 0.0 0.25 (0.0) |
| olvi69*                          | 0.75 1.0 0.75 (1.0) |
| olvi70*                          | 0.25 0.0 0.25 (0.0) |
| olvi71*                          | 0.75 1.0 0.75 (1.0) |
| olvi72*                          | 0.25 0.0 0.25 (0.0) |
| olvi73*                          | 0.75 1.0 0.75 (1.0) |
| olvi74*                          | 0.25 0.0 0.25 (0.0) |
| olvi75*                          | 0.75 1.0 0.75 (1.0) |
| olvi76*                          | 0.25 0.0 0.25 (0.0) |
| olvi77*                          | 0.75 1.0 0.75 (1.0) |
| olvi78*                          | 0.25 0.0 0.25 (0.0) |
| olvi79*                          | 0.75 1.0 0.75 (1.0) |
| olvi80*                          | 0.25 0.0 0.25 (0.0) |
| olvi81*                          | 0.75 1.0 0.75 (1.0) |
| olvi82*                          | 0.25 0.0 0.25 (0.0) |
| olvi83*                          | 0.75 1.0 0.75 (1.0) |
| olvi84*                          | 0.25 0.0 0.25 (0.0) |
| olvi85*                          | 0.75 1.0 0.75 (1.0) |
| olvi86*                          | 0.25 0.0 0.25 (0.0) |
| olvi87*                          | 0.75 1.0 0.75 (1.0) |
| olvi88*                          | 0.25 0.0 0.25 (0.0) |
| olvi89*                          | 0.75 1.0 0.75 (1.0) |
| olvi90*                          | 0.25 0.0 0.25 (0.0) |
| olvi91*                          | 0.75 1.0 0.75 (1.0) |
| olvi92*                          | 0.25 0.0 0.25 (0.0) |
| olvi93*                          | 0.75 1.0 0.75 (1.0) |
| olvi94*                          | 0.25 0.0 0.25 (0.0) |
| olvi95*                          | 0.75 1.0 0.75 (1.0) |
| olvi96*                          | 0.25 0.0 0.25 (0.0) |
| olvi97*                          | 0.75 1.0 0.75 (1.0) |
| olvi98*                          | 0.25 0.0 0.25 (0.0) |
| olvi99*                          | 0.75 1.0 0.75 (1.0) |
| olvi100*                         | 0.25 0.0 0.25 (0.0) |

|                                  |                   |
|----------------------------------|-------------------|
| relative Inform. Technology (IT) |                   |
| olvi3*                           | 0.5 1.0 0.5 (1.0) |
| olvi4*                           | 0.5 0.0 0.5 (0.0) |
| olvi5*                           | 0.5 1.0 0.5 (1.0) |
| olvi6*                           | 0.5 0.0 0.5 (0.0) |
| olvi7*                           | 0.5 1.0 0.5 (1.0) |
| olvi8*                           | 0.5 0.0 0.5 (0.0) |
| olvi9*                           | 0.5 1.0 0.5 (1.0) |
| olvi10*                          | 0.5 0.0 0.5 (0.0) |
| olvi11*                          | 0.5 1.0 0.5 (1.0) |
| olvi12*                          | 0.5 0.0 0.5 (0.0) |
| olvi13*                          | 0.5 1.0 0.5 (1.0) |
| olvi14*                          | 0.5 0.0 0.5 (0.0) |
| olvi15*                          | 0.5 1.0 0.5 (1.0) |
| olvi16*                          | 0.5 0.0 0.5 (0.0) |
| olvi17*                          | 0.5 1.0 0.5 (1.0) |
| olvi18*                          | 0.5 0.0 0.5 (0.0) |
| olvi19*                          | 0.5 1.0 0.5 (1.0) |
| olvi20*                          | 0.5 0.0 0.5 (0.0) |
| olvi21*                          | 0.5 1.0 0.5 (1.0) |
| olvi22*                          | 0.5 0.0 0.5 (0.0) |
| olvi23*                          | 0.5 1.0 0.5 (1.0) |
| olvi24*                          | 0.5 0.0 0.5 (0.0) |
| olvi25*                          | 0.5 1.0 0.5 (1.0) |
| olvi26*                          | 0.5 0.0 0.5 (0.0) |
| olvi27*                          | 0.5 1.0 0.5 (1.0) |
| olvi28*                          | 0.5 0.0 0.5 (0.0) |
| olvi29*                          | 0.5 1.0 0.5 (1.0) |
| olvi30*                          | 0.5 0.0 0.5 (0.0) |
| olvi31*                          | 0.5 1.0 0.5 (1.0) |
| olvi32*                          | 0.5 0.0 0.5 (0.0) |
| olvi33*                          | 0.5 1.0 0.5 (1.0) |
| olvi34*                          | 0.5 0.0 0.5 (0.0) |
| olvi35*                          | 0.5 1.0 0.5 (1.0) |
| olvi36*                          | 0.5 0.0 0.5 (0.0) |
| olvi37*                          | 0.5 1.0 0.5 (1.0) |
| olvi38*                          | 0.5 0.0 0.5 (0.0) |
| olvi39*                          | 0.5 1.0 0.5 (1.0) |
| olvi40*                          | 0.5 0.0 0.5 (0.0) |
| olvi41*                          | 0.5 1.0 0.5 (1.0) |
| olvi42*                          | 0.5 0.0 0.5 (0.0) |
| olvi43*                          | 0.5 1.0 0.5 (1.0) |
| olvi44*                          | 0.5 0.0 0.5 (0.0) |
| olvi45*                          | 0.5 1.0 0.5 (1.0) |
| olvi46*                          | 0.5 0.0 0.5 (0.0) |
| olvi47*                          | 0.5 1.0 0.5 (1.0) |
| olvi48*                          | 0.5 0.0 0.5 (0.0) |
| olvi49*                          | 0.5 1.0 0.5 (1.0) |
| olvi50*                          | 0.5 0.0 0.5 (0.0) |
| olvi51*                          | 0.5 1.0 0.5 (1.0) |
| olvi52*                          | 0.5 0.0 0.5 (0.0) |
| olvi53*                          | 0.5 1.0 0.5 (1.0) |
| olvi54*                          | 0.5 0.0 0.5 (0.0) |
| olvi55*                          | 0.5 1.0 0.5 (1.0) |
| olvi56*                          | 0.5 0.0 0.5 (0.0) |
| olvi57*                          | 0.5 1.0 0.5 (1.0) |
| olvi58*                          | 0.5 0.0 0.5 (0.0) |
| olvi59*                          | 0.5 1.0 0.5 (1.0) |
| olvi60*                          | 0.5 0.0 0.5 (0.0) |
| olvi61*                          | 0.5 1.0 0.5 (1.0) |
| olvi62*                          | 0.5 0.0 0.5 (0.0) |
| olvi63*                          | 0.5 1.0 0.5 (1.0) |
| olvi64*                          | 0.5 0.0 0.5 (0.0) |
| olvi65*                          | 0.5 1.0 0.5 (1.0) |
| olvi66*                          | 0.5 0.0 0.5 (0.0) |
| olvi67*                          | 0.5 1.0 0.5 (1.0) |
| olvi68*                          | 0.5 0.0 0.5 (0.0) |
| olvi69*                          | 0.5 1.0 0.5 (1.0) |
| olvi70*                          | 0.5 0.0 0.5 (0.0) |
| olvi71*                          | 0.5 1.0 0.5 (1.0) |
| olvi72*                          | 0.5 0.0 0.5 (0.0) |
| olvi73*                          | 0.5 1.0 0.5 (1.0) |
| olvi74*                          | 0.5 0.0 0.5 (0.0) |
| olvi75*                          | 0.5 1.0 0.5 (1.0) |
| olvi76*                          | 0.5 0.0 0.5 (0.0) |
| olvi77*                          | 0.5 1.0 0.5 (1.0) |
| olvi78*                          | 0.5 0.0 0.5 (0.0) |
| olvi79*                          | 0.5 1.0 0.5 (1.0) |
| olvi80*                          | 0.5 0.0 0.5 (0.0) |
| olvi81*                          | 0.5 1.0 0.5 (1.0) |
| olvi82*                          | 0.5 0.0 0.5 (0.0) |
| olvi83*                          | 0.5 1.0 0.5 (1.0) |
| olvi84*                          | 0.5 0.0 0.5 (0.0) |
| olvi85*                          | 0.5 1.0 0.5 (1.0) |
| olvi86*                          | 0.5 0.0 0.5 (0.0) |
| olvi87*                          | 0.5 1.0 0.5 (1.0) |
| olvi88*                          | 0.5 0.0 0.5 (0.0) |
| olvi89*                          | 0.5 1.0 0.5 (1.0) |
| olvi90*                          | 0.5 0.0 0.5 (0.0) |
| olvi91*                          | 0.5 1.0 0.5 (1.0) |
| olvi92*                          | 0.5 0.0 0.5 (0.0) |
| olvi93*                          | 0.5 1.0 0.5 (1.0) |
| olvi94*                          | 0.5 0.0 0.5 (0.0) |
| olvi95*                          | 0.5 1.0 0.5 (1.0) |
| olvi96*                          | 0.5 0.0 0.5 (0.0) |
| olvi97*                          | 0.5 1.0 0.5 (1.0) |
| olvi98*                          | 0.5 0.0 0.5 (0.0) |
| olvi99*                          | 0.5 1.0 0.5 (1.0) |
| olvi100*                         | 0.5 0.0 0.5 (0.0) |

|                                  |                     |
|----------------------------------|---------------------|
| relative Inform. Technology (IT) |                     |
| olvi3*                           | 0.25 1.0 0.25 (1.0) |
| olvi4*                           | 0.25 0.0 0.25 (0.0) |
| olvi5*                           | 0.25 1.0 0.25 (1.0) |
| olvi6*                           | 0.25 0.0 0.25 (0.0) |
| olvi7*                           | 0.25 1.0 0.25 (1.0) |
| olvi8*                           | 0.25 0.0 0.25 (0.0) |
| olvi9*                           | 0.25 1.0 0.25 (1.0) |
| olvi10*                          | 0.25 0.0 0.25 (0.0) |
| olvi11*                          | 0.25 1.0 0.25 (1.0) |
| olvi12*                          | 0.25 0.0 0.25 (0.0) |
| olvi13*                          | 0.25 1.0 0.25 (1.0) |
| olvi14*                          | 0.25 0.0 0.25 (0.0) |
| olvi15*                          | 0.25 1.0 0.25 (1.0) |
| olvi16*                          | 0.25 0.0 0.25 (0.0) |
| olvi17*                          | 0.25 1.0 0.25 (1.0) |
| olvi18*                          | 0.25 0.0 0.25 (0.0) |
| olvi19*                          | 0.25 1.0 0.25 (1.0) |
| olvi20*                          | 0.25 0.0 0.25 (0.0) |
| olvi21*                          | 0.25 1.0 0.25 (1.0) |
| olvi22*                          | 0.25 0.0 0.25 (0.0) |
| olvi23*                          | 0.25 1.0 0.25 (1.0  |

### Input: Colorimetric Reflective System ORS18

for hue  $h^* = lab^*h = 236/360 = 0.656$

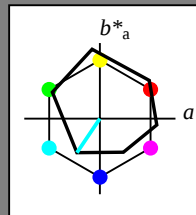
$lab^*tch$  and  $lab^*nch$

D65: hue C

LCH\*Ma: 59 54 236

rgb\*Ma: 0.0 1.0 1.0

triangle lightness  $t^*$



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)  
olvi3\* 1.0 1.0 1.0 (1.0)  
cmyn3\* 0.0 0.0 0.0 (0.0)  
olvi4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 95.41 -0.97 4.75  
LAB\*LABa 95.41 0.0 0.0  
LAB\*LABb 95.41 0.0 0.0  
LAB\*LABc 95.41 0.0 0.0

relative CIELAB lab\*  
lab\*lab 1.0 0.0 0.0  
lab\*tch 1.0 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 1.0 0.0 0.0  
lab\*tce 1.0 0.0 0.0  
lab\*nce 0.0 0.0 0.0

relative Inform. Technology (IT)  
olvi3\* 0.75 0.75 0.75 (1.0)  
cmyn3\* 0.25 0.25 0.25 (0.0)  
olvi4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 76.06 -0.6 3.44  
LAB\*LABa 76.06 0.0 0.0  
LAB\*LABb 76.06 0.0 0.0  
LAB\*LABc 76.06 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.75 0.0 0.0  
lab\*tch 0.75 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 0.75 0.0 0.0  
lab\*tce 0.75 0.0 0.0  
lab\*nce 0.0 0.0 0.0

relative Inform. Technology (IT)  
olvi3\* 0.5 0.5 0.5 (0.0)  
cmyn3\* 0.5 0.5 0.5 (0.0)  
olvi4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 56.71 -0.23 2.14  
LAB\*LABa 56.71 0.0 0.0  
LAB\*LABb 56.71 0.0 0.0  
LAB\*LABc 56.71 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.5 0.0 0.0  
lab\*tch 0.5 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 0.5 0.0 0.0  
lab\*tce 0.5 0.0 0.0  
lab\*nce 0.0 0.0 0.0

relative Inform. Technology (IT)  
olvi3\* 0.25 0.25 0.25 (0.0)  
cmyn3\* 0.75 0.75 0.75 (1.0)  
olvi4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 37.36 -0.38 0.63  
LAB\*LABa 37.36 0.0 0.0  
LAB\*LABb 37.36 0.0 0.0  
LAB\*LABc 37.36 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.25 0.0 0.0  
lab\*tch 0.25 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 0.25 0.0 0.0  
lab\*tce 0.25 0.0 0.0  
lab\*nce 0.0 0.0 0.0

relative Inform. Technology (IT)  
olvi3\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 1.0 1.0 1.0 (0.0)  
olvi4\* 1.0 1.0 1.0 (0.0)  
cmyn4\* 0.0 0.0 0.0 (1.0)  
standard and adapted CIELAB  
LAB\*LAB 18.02 0.0 0.46  
LAB\*LABa 18.02 0.0 0.0  
LAB\*LABb 18.02 0.0 0.0  
LAB\*LABc 18.02 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*tch 0.0 0.0 0.0  
lab\*nch 1.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 0.0 0.0 0.0  
lab\*tce 0.0 0.0 0.0  
lab\*nce 1.0 0.0 0.0

relative Inform. Technology (IT)  
olvi3\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 1.0 1.0 1.0 (0.0)  
olvi4\* 1.0 1.0 1.0 (0.0)  
cmyn4\* 0.0 0.0 0.0 (1.0)  
standard and adapted CIELAB  
LAB\*LAB 18.02 0.0 0.46  
LAB\*LABa 18.02 0.0 0.0  
LAB\*LABb 18.02 0.0 0.0  
LAB\*LABc 18.02 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*tch 0.0 0.0 0.0  
lab\*nch 1.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 0.0 0.0 0.0  
lab\*tce 0.0 0.0 0.0  
lab\*nce 1.0 0.0 0.0

### ORS18; adapted (a) CIELAB data

$L^*=L^*_a$   $a^*_a$   $b^*_a$   $C^*_{ab,a}$   $h^*_{ab,a}$

|      |       |        |        |       |     |
|------|-------|--------|--------|-------|-----|
| QMa  | 47.94 | 65.37  | 50.52  | 82.62 | 38  |
| YMa  | 90.37 | -10.27 | 91.77  | 92.34 | 96  |
| LMa  | 50.9  | -62.79 | 34.95  | 71.87 | 151 |
| CMa  | 58.62 | -30.35 | -45.01 | 54.3  | 236 |
| VMa  | 25.71 | 31.11  | -44.42 | 54.24 | 305 |
| MMa  | 48.13 | 75.27  | -8.35  | 75.73 | 354 |
| NMa  | 18.01 | 0.0    | 0.0    | 0.0   | 0   |
| WMa  | 95.41 | 0.0    | 0.0    | 0.0   | 0   |
| RCIE | 39.92 | 58.66  | 26.98  | 64.56 | 25  |
| JCIE | 81.26 | -2.17  | 67.76  | 67.79 | 92  |
| GCIE | 52.23 | -42.26 | 11.75  | 43.87 | 164 |
| BCIE | 30.57 | 1.15   | -46.84 | 46.87 | 271 |

%Regularity

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

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

relative Inform. Technology (IT)  
olvi3\* 0.5 0.5 0.5 (1.0)  
cmyn3\* 0.5 0.5 0.5 (0.0)  
olvi4\* 0.5 0.5 0.5 (1.0)  
cmyn4\* 0.5 0.5 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 86.21 -8.38 -7.1  
LAB\*LABa 86.21 -7.58 -11.24  
LAB\*LABb 86.21 13.57 236.01

relative CIELAB lab\*  
lab\*lab 0.881 -0.139 -0.206  
lab\*tch 0.875 0.25 0.656  
lab\*nch 0.0 0.25 0.656  
relative Natural Colour (NC)  
lab\*trj 0.881 -0.123 -0.216  
lab\*tce 0.875 0.25 0.656  
lab\*nce 0.0 0.25 0.656

relative Inform. Technology (IT)  
olvi3\* 0.25 0.25 0.25 (1.0)  
cmyn3\* 0.75 0.75 0.75 (0.0)  
olvi4\* 0.75 0.75 0.75 (0.0)  
cmyn4\* 0.75 0.75 0.75 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 66.86 -8.01 -8.41  
LAB\*LABa 66.86 -7.58 -11.25  
LAB\*LABb 66.86 13.57 236.01

relative CIELAB lab\*  
lab\*lab 0.631 -0.139 -0.206  
lab\*tch 0.625 0.25 0.656  
lab\*nch 0.0 0.25 0.656  
relative Natural Colour (NC)  
lab\*trj 0.631 -0.123 -0.216  
lab\*tce 0.625 0.25 0.656  
lab\*nce 0.0 0.25 0.656

relative Inform. Technology (IT)  
olvi3\* 0.25 0.25 0.25 (1.0)  
cmyn3\* 0.75 0.75 0.75 (0.0)  
olvi4\* 0.75 0.75 0.75 (0.0)  
cmyn4\* 0.75 0.75 0.75 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 56.71 -0.23 2.14  
LAB\*LABa 56.71 0.0 0.0  
LAB\*LABb 56.71 0.0 0.0  
LAB\*LABc 56.71 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.512 -0.247 -0.433  
lab\*tch 0.512 0.25 0.656  
lab\*nch 0.0 0.25 0.656  
relative Natural Colour (NC)  
lab\*trj 0.512 -0.247 -0.433  
lab\*tce 0.512 0.25 0.656  
lab\*nce 0.0 0.25 0.656

relative Inform. Technology (IT)  
olvi3\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 1.0 0.0 0.0 (0.0)  
olvi4\* 1.0 0.0 0.0 (0.0)  
cmyn4\* 0.0 0.0 0.0 (1.0)  
standard and adapted CIELAB  
LAB\*LAB 38.12 -15.03 11.59  
LAB\*LABa 38.12 -15.03 11.59  
LAB\*LABb 38.12 -15.03 11.59  
LAB\*LABc 38.12 -15.03 11.59

relative CIELAB lab\*  
lab\*lab 0.262 -0.278 -0.413  
lab\*tch 0.25 0.25 0.656  
lab\*nch 0.0 0.25 0.656  
relative Natural Colour (NC)  
lab\*trj 0.262 -0.278 -0.413  
lab\*tce 0.25 0.25 0.656  
lab\*nce 0.0 0.25 0.656

relative Inform. Technology (IT)  
olvi3\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 1.0 0.0 0.0 (0.0)  
olvi4\* 1.0 0.0 0.0 (0.0)  
cmyn4\* 0.0 0.0 0.0 (1.0)  
standard and adapted CIELAB  
LAB\*LAB 18.02 0.0 0.46  
LAB\*LABa 18.02 0.0 0.0  
LAB\*LABb 18.02 0.0 0.0  
LAB\*LABc 18.02 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*tch 0.0 0.0 0.0  
lab\*nch 1.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 0.0 0.0 0.0  
lab\*tce 0.0 0.0 0.0  
lab\*nce 1.0 0.0 0.0

### Output: Colorimetric Reflective System MRS18

for hue  $h^* = lab^*h = 218/360 = 0.605$

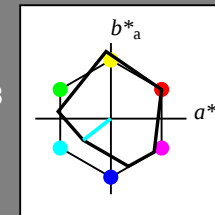
$lab^*tch$  and  $lab^*nch$

D65: hue G50B

LCH\*Ma: 45 46 218

rgb\*Ma: 0.0 1.0 1.0

triangle lightness  $t^*$



% Gamut

$u^*_{rel} = 91$

relative Inform. Technology (IT)  
olvi3\* 1.0 1.0 1.0 (1.0)  
cmyn3\* 0.0 0.0 0.0 (0.0)  
olvi4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 95.41 -0.97 4.75  
LAB\*LABa 95.41 0.0 0.0  
LAB\*LABb 95.41 0.0 0.0  
LAB\*LABc 95.41 0.0 0.0

relative CIELAB lab\*  
lab\*lab 1.0 0.0 0.0  
lab\*tch 1.0 0.0 0.0  
lab\*nch 0.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 1.0 0.0 0.0  
lab\*tce 1.0 0.0 0.0  
lab\*nce 0.0 0.0 0.0

relative Inform. Technology (IT)  
olvi3\* 0.75 0.75 0.75 (1.0)  
cmyn3\* 0.25 0.25 0.25 (0.0)  
olvi4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 76.06 -0.6 3.44  
LAB\*LABa 76.06 0.0 0.0  
LAB\*LABb 76.06 0.0 0.0  
LAB\*LABc 76.06 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.837 -0.176 -0.176  
lab\*tch 0.837 0.25 0.625  
lab\*nch 0.0 0.25 0.625  
relative Natural Colour (NC)  
lab\*trj 0.837 -0.176 -0.176  
lab\*tce 0.837 0.25 0.625  
lab\*nce 0.0 0.25 0.625

relative Inform. Technology (IT)  
olvi3\* 0.5 0.5 0.5 (0.0)  
cmyn3\* 0.5 0.5 0.5 (0.0)  
olvi4\* 1.0 1.0 1.0 (1.0)  
cmyn4\* 0.0 0.0 0.0 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 56.71 -0.23 2.14  
LAB\*LABa 56.71 0.0 0.0  
LAB\*LABb 56.71 0.0 0.0  
LAB\*LABc 56.71 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.625 0.25 0.625  
lab\*tch 0.625 0.25 0.625  
lab\*nch 0.0 0.25 0.625  
relative Natural Colour (NC)  
lab\*trj 0.625 0.25 0.625  
lab\*tce 0.625 0.25 0.625  
lab\*nce 0.0 0.25 0.625

relative Inform. Technology (IT)  
olvi3\* 0.25 0.25 0.25 (1.0)  
cmyn3\* 0.75 0.75 0.75 (0.0)  
olvi4\* 0.75 0.75 0.75 (0.0)  
cmyn4\* 0.75 0.75 0.75 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 37.36 -0.38 0.63  
LAB\*LABa 37.36 0.0 0.0  
LAB\*LABb 37.36 0.0 0.0  
LAB\*LABc 37.36 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.512 -0.247 -0.433  
lab\*tch 0.512 0.25 0.656  
lab\*nch 0.0 0.25 0.656  
relative Natural Colour (NC)  
lab\*trj 0.512 -0.247 -0.433  
lab\*tce 0.512 0.25 0.656  
lab\*nce 0.0 0.25 0.656

relative Inform. Technology (IT)  
olvi3\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 1.0 0.0 0.0 (0.0)  
olvi4\* 1.0 0.0 0.0 (0.0)  
cmyn4\* 0.0 0.0 0.0 (1.0)  
standard and adapted CIELAB  
LAB\*LAB 18.02 0.0 0.46  
LAB\*LABa 18.02 0.0 0.0  
LAB\*LABb 18.02 0.0 0.0  
LAB\*LABc 18.02 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*tch 0.0 0.0 0.0  
lab\*nch 1.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 0.0 0.0 0.0  
lab\*tce 0.0 0.0 0.0  
lab\*nce 1.0 0.0 0.0

relative Inform. Technology (IT)  
olvi3\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 1.0 0.0 0.0 (0.0)  
olvi4\* 1.0 0.0 0.0 (0.0)  
cmyn4\* 0.0 0.0 0.0 (1.0)  
standard and adapted CIELAB  
LAB\*LAB 18.02 0.0 0.46  
LAB\*LABa 18.02 0.0 0.0  
LAB\*LABb 18.02 0.0 0.0  
LAB\*LABc 18.02 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*tch 0.0 0.0 0.0  
lab\*nch 1.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 0.0 0.0 0.0  
lab\*tce 0.0 0.0 0.0  
lab\*nce 1.0 0.0 0.0

### MRS18; adapted (a) CIELAB data

$L^*=L^*_a$   $a^*_a$   $b^*_a$   $C^*_{ab,a}$   $h^*_{ab,a}$

|        |       |        |        |       |     |
|--------|-------|--------|--------|-------|-----|
| RMa    | 49.63 | 66.96  | 38.37  | 77.18 | 30  |
| JMa    | 90.7  | -6.36  | 88.75  | 88.98 | 94  |
| GMa    | 52.11 | -69.73 | 9.44   | 70.37 | 172 |
| G50BMa | 45.03 | -36.57 | -28.47 | 46.36 | 218 |
| BMa    | 36.65 | 23.19  | -63.05 | 67.18 | 290 |
| B50RMa | 34.94 | 57.17  | -44.26 | 72.31 | 322 |
| NMa    | 18.01 | 0.0    | 0.0    | 0.0   | 0   |
| WMa    | 95.41 | 0.0    | 0.0    | 0.0   | 0   |
| RCIE   | 39.92 | 58.66  | 26.98  | 64.56 | 25  |
| JCIE   | 81.26 | -2.17  | 67.76  | 67.79 | 92  |
| GCIE   | 52.23 | -42.26 | 11.75  | 43.87 | 164 |
| BCIE   | 30.57 | 1.15   | -46.84 | 46.87 | 271 |

%Regularity

$g^*_{H,rel} = 41$

$g^*_{C,rel} = 52$

relative Inform. Technology (IT)  
olvi3\* 0.5 0.5 0.5 (1.0)  
cmyn3\* 0.5 0.5 0.5 (0.0)  
olvi4\* 0.5 0.5 0.5 (1.0)  
cmyn4\* 0.5 0.5 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 66.86 -8.01 -8.41  
LAB\*LABa 66.86 -7.58 -11.25  
LAB\*LABb 66.86 13.57 236.01

relative CIELAB lab\*  
lab\*lab 0.674 -0.393 -0.306  
lab\*tch 0.674 0.25 0.605  
lab\*nch 0.0 0.25 0.605  
relative Natural Colour (NC)  
lab\*trj 0.674 -0.353 -0.352  
lab\*tce 0.674 0.25 0.605  
lab\*nce 0.0 0.25 0.605

relative Inform. Technology (IT)  
olvi3\* 0.25 0.25 0.25 (1.0)  
cmyn3\* 0.75 0.75 0.75 (0.0)  
olvi4\* 0.75 0.75 0.75 (0.0)  
cmyn4\* 0.75 0.75 0.75 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 56.71 -0.23 2.14  
LAB\*LABa 56.71 0.0 0.0  
LAB\*LABb 56.71 0.0 0.0  
LAB\*LABc 56.71 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.512 -0.247 -0.433  
lab\*tch 0.512 0.25 0.656  
lab\*nch 0.0 0.25 0.656  
relative Natural Colour (NC)  
lab\*trj 0.512 -0.247 -0.433  
lab\*tce 0.512 0.25 0.656  
lab\*nce 0.0 0.25 0.656

relative Inform. Technology (IT)  
olvi3\* 0.25 0.25 0.25 (1.0)  
cmyn3\* 0.75 0.75 0.75 (0.0)  
olvi4\* 0.75 0.75 0.75 (0.0)  
cmyn4\* 0.75 0.75 0.75 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 37.36 -0.38 0.63  
LAB\*LABa 37.36 0.0 0.0  
LAB\*LABb 37.36 0.0 0.0  
LAB\*LABc 37.36 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.512 -0.247 -0.433  
lab\*tch 0.512 0.25 0.656  
lab\*nch 0.0 0.25 0.656  
relative Natural Colour (NC)  
lab\*trj 0.512 -0.247 -0.433  
lab\*tce 0.512 0.25 0.656  
lab\*nce 0.0 0.25 0.656

relative Inform. Technology (IT)  
olvi3\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 1.0 0.0 0.0 (0.0)  
olvi4\* 1.0 0.0 0.0 (0.0)  
cmyn4\* 0.0 0.0 0.0 (1.0)  
standard and adapted CIELAB  
LAB\*LAB 18.02 0.0 0.46  
LAB\*LABa 18.02 0.0 0.0  
LAB\*LABb 18.02 0.0 0.0  
LAB\*LABc 18.02 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*tch 0.0 0.0 0.0  
lab\*nch 1.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 0.0 0.0 0.0  
lab\*tce 0.0 0.0 0.0  
lab\*nce 1.0 0.0 0.0

relative Inform. Technology (IT)  
olvi3\* 0.0 0.0 0.0 (1.0)  
cmyn3\* 1.0 0.0 0.0 (0.0)  
olvi4\* 1.0 0.0 0.0 (0.0)  
cmyn4\* 0.0 0.0 0.0 (1.0)  
standard and adapted CIELAB  
LAB\*LAB 18.02 0.0 0.46  
LAB\*LABa 18.02 0.0 0.0  
LAB\*LABb 18.02 0.0 0.0  
LAB\*LABc 18.02 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.0 0.0 0.0  
lab\*tch 0.0 0.0 0.0  
lab\*nch 1.0 0.0 0.0  
relative Natural Colour (NC)  
lab\*trj 0.0 0.0 0.0  
lab\*tce 0.0 0.0 0.0  
lab\*nce 1.0 0.0 0.0

relative Inform. Technology (IT)  
olvi3\* 0.5 0.5 0.5 (1.0)  
cmyn3\* 0.5 0.5 0.5 (0.0)  
olvi4\* 0.5 0.5 0.5 (1.0)  
cmyn4\* 0.5 0.5 0.5 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 66.86 -8.01 -8.41  
LAB\*LABa 66.86 -7.58 -11.25  
LAB\*LABb 66.86 13.57 236.01

relative CIELAB lab\*  
lab\*lab 0.674 -0.393 -0.306  
lab\*tch 0.674 0.25 0.605  
lab\*nch 0.0 0.25 0.605  
relative Natural Colour (NC)  
lab\*trj 0.674 -0.353 -0.352  
lab\*tce 0.674 0.25 0.605  
lab\*nce 0.0 0.25 0.605

relative Inform. Technology (IT)  
olvi3\* 0.25 0.25 0.25 (1.0)  
cmyn3\* 0.75 0.75 0.75 (0.0)  
olvi4\* 0.75 0.75 0.75 (0.0)  
cmyn4\* 0.75 0.75 0.75 (0.0)  
standard and adapted CIELAB  
LAB\*LAB 56.71 -0.23 2.14  
LAB\*LABa 56.71 0.0 0.0  
LAB\*LABb 56.71 0.0 0.0  
LAB\*LABc 56.71 0.0 0.0

relative CIELAB lab\*  
lab\*lab 0.512 -0.247 -0.433  
lab\*tch 0.512 0.25 0.6



### Input: Colorimetric Reflective System ORS18

for hue  $h^* = lab^*h = 354/360 = 0.982$

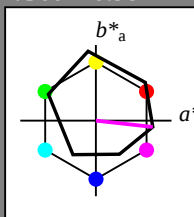
$lab^*tch$  and  $lab^*nch$

D65: hue M

LCH\*Ma: 48 76 354

rgb\*Ma: 1.0 0.0 1.0

triangle lightness  $t^*$



relative Inform. Technology (IT)

|        |     |     |     |       |
|--------|-----|-----|-----|-------|
| olvi3* | 1.0 | 1.0 | 1.0 | (1.0) |
| cmyn3* | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi4* | 1.0 | 1.0 | 1.0 | 1.0   |
| cmyn4* | 0.0 | 0.0 | 0.0 | 0.0   |

standard and adapted CIELAB

|          |       |       |      |
|----------|-------|-------|------|
| LAB*LAB  | 95.41 | -0.97 | 4.75 |
| LAB*LABa | 95.41 | 0.0   | 0.0  |
| LAB*LABb | 99.99 | 0.01  | 0.0  |

relative CIELAB lab\*

|         |     |     |     |
|---------|-----|-----|-----|
| lab*lab | 1.0 | 0.0 | 0.0 |
| lab*tch | 1.0 | 0.0 | 0.0 |
| lab*nch | 0.0 | 0.0 | 0.0 |

relative Natural Colour (NC)

|         |     |     |     |
|---------|-----|-----|-----|
| lab*trj | 1.0 | 0.0 | 0.0 |
| lab*tce | 1.0 | 0.0 | 0.0 |
| lab*nce | 0.0 | 0.0 | 0.0 |

relative Inform. Technology (IT)

|        |     |      |     |       |
|--------|-----|------|-----|-------|
| olvi3* | 1.0 | 0.75 | 1.0 | (1.0) |
| cmyn3* | 0.0 | 0.25 | 0.0 | (0.0) |
| olvi4* | 1.0 | 0.75 | 1.0 | 1.0   |
| cmyn4* | 0.0 | 0.25 | 0.0 | 0.0   |

standard and adapted CIELAB

|          |       |       |        |
|----------|-------|-------|--------|
| LAB*LAB  | 83.59 | 18.06 | 1.87   |
| LAB*LABa | 83.59 | 18.81 | -2.08  |
| LAB*LABb | 97.5  | 18.92 | 353.66 |

relative CIELAB lab\*

|         |       |       |        |
|---------|-------|-------|--------|
| lab*lab | 0.847 | 0.248 | -0.027 |
| lab*tch | 0.875 | 0.25  | 0.982  |
| lab*nch | 0.0   | 0.25  | 0.982  |

relative Natural Colour (NC)

|         |       |       |        |
|---------|-------|-------|--------|
| lab*trj | 0.847 | 0.227 | -0.103 |
| lab*tce | 0.875 | 0.25  | 0.932  |
| lab*nce | 0.0   | 0.25  | 0.72*  |

relative Inform. Technology (IT)

|        |     |     |     |       |
|--------|-----|-----|-----|-------|
| olvi3* | 1.0 | 0.5 | 1.0 | (1.0) |
| cmyn3* | 0.0 | 0.5 | 0.0 | (0.0) |
| olvi4* | 1.0 | 0.5 | 1.0 | 1.0   |
| cmyn4* | 0.0 | 0.5 | 0.0 | 0.0   |

standard and adapted CIELAB

|          |       |       |        |
|----------|-------|-------|--------|
| LAB*LAB  | 71.77 | 37.1  | -1.01  |
| LAB*LABa | 71.77 | 37.63 | -4.17  |
| LAB*LABb | 75.0  | 37.86 | 353.66 |

relative CIELAB lab\*

|         |       |       |        |
|---------|-------|-------|--------|
| lab*lab | 0.695 | 0.497 | -0.054 |
| lab*tch | 0.75  | 0.5   | 0.982  |
| lab*nch | 0.0   | 0.5   | 0.982  |

relative Natural Colour (NC)

|         |       |       |        |
|---------|-------|-------|--------|
| lab*trj | 0.695 | 0.454 | -0.208 |
| lab*tce | 0.75  | 0.5   | 0.932  |
| lab*nce | 0.0   | 0.5   | 0.72*  |

relative Inform. Technology (IT)

|        |     |      |     |       |
|--------|-----|------|-----|-------|
| olvi3* | 1.0 | 0.25 | 1.0 | (1.0) |
| cmyn3* | 0.0 | 0.25 | 0.0 | (0.0) |
| olvi4* | 1.0 | 0.25 | 1.0 | 1.0   |
| cmyn4* | 0.0 | 0.25 | 0.0 | 0.0   |

standard and adapted CIELAB

|          |       |       |        |
|----------|-------|-------|--------|
| LAB*LAB  | 59.95 | 56.14 | -3.9   |
| LAB*LABa | 59.95 | 56.44 | -6.26  |
| LAB*LABb | 62.5  | 56.79 | 353.66 |

relative CIELAB lab\*

|         |       |       |        |
|---------|-------|-------|--------|
| lab*lab | 0.542 | 0.745 | -0.082 |
| lab*tch | 0.625 | 0.75  | 0.982  |
| lab*nch | 0.0   | 0.75  | 0.982  |

relative Natural Colour (NC)

|         |       |       |        |
|---------|-------|-------|--------|
| lab*trj | 0.542 | 0.682 | -0.312 |
| lab*tce | 0.625 | 0.75  | 0.932  |
| lab*nce | 0.0   | 0.75  | 0.72*  |

relative Inform. Technology (IT)

|        |     |     |     |       |
|--------|-----|-----|-----|-------|
| olvi3* | 1.0 | 0.0 | 1.0 | (1.0) |
| cmyn3* | 0.0 | 1.0 | 0.0 | (0.0) |
| olvi4* | 1.0 | 0.0 | 1.0 | 1.0   |
| cmyn4* | 0.0 | 1.0 | 0.0 | 0.0   |

standard and adapted CIELAB

|          |       |       |        |
|----------|-------|-------|--------|
| LAB*LAB  | 48.14 | 75.18 | -6.78  |
| LAB*LABa | 48.14 | 75.25 | -8.35  |
| LAB*LABb | 50.0  | 75.71 | 353.66 |

relative CIELAB lab\*

|         |       |       |        |
|---------|-------|-------|--------|
| lab*lab | 0.389 | 0.994 | -0.109 |
| lab*tch | 0.5   | 1.0   | 0.982  |
| lab*nch | 0.0   | 1.0   | 0.982  |

relative Natural Colour (NC)

|         |       |       |        |
|---------|-------|-------|--------|
| lab*trj | 0.389 | 0.909 | -0.416 |
| lab*tce | 0.5   | 1.0   | 0.932  |
| lab*nce | 0.0   | 1.0   | 0.72*  |

relative Inform. Technology (IT)

|        |      |     |      |       |
|--------|------|-----|------|-------|
| olvi3* | 0.75 | 0.0 | 0.75 | (1.0) |
| cmyn3* | 0.25 | 0.0 | 0.25 | (0.0) |
| olvi4* | 1.0  | 0.0 | 1.0  | 1.0   |
| cmyn4* | 0.0  | 0.0 | 0.0  | 0.0   |

standard and adapted CIELAB

|          |       |       |        |
|----------|-------|-------|--------|
| LAB*LAB  | 40.61 | 56.51 | -5.2   |
| LAB*LABa | 40.61 | 56.44 | -6.26  |
| LAB*LABb | 37.51 | 56.79 | 353.66 |

relative CIELAB lab\*

|         |       |       |        |
|---------|-------|-------|--------|
| lab*lab | 0.292 | 0.745 | -0.082 |
| lab*tch | 0.375 | 0.75  | 0.982  |
| lab*nch | 0.0   | 0.75  | 0.982  |

relative Natural Colour (NC)

|         |       |       |        |
|---------|-------|-------|--------|
| lab*trj | 0.292 | 0.682 | -0.312 |
| lab*tce | 0.375 | 0.75  | 0.932  |
| lab*nce | 0.0   | 0.75  | 0.72*  |

relative Inform. Technology (IT)

|        |     |     |     |       |
|--------|-----|-----|-----|-------|
| olvi3* | 0.5 | 0.0 | 0.5 | (1.0) |
| cmyn3* | 0.5 | 0.0 | 0.5 | (0.0) |
| olvi4* | 1.0 | 0.0 | 1.0 | 1.0   |
| cmyn4* | 0.0 | 0.0 | 0.0 | 0.0   |

standard and adapted CIELAB

|          |       |       |        |
|----------|-------|-------|--------|
| LAB*LAB  | 33.08 | 37.84 | -0.62  |
| LAB*LABa | 33.08 | 37.63 | -4.17  |
| LAB*LABb | 25.01 | 37.86 | 353.66 |

relative CIELAB lab\*

|         |       |       |        |
|---------|-------|-------|--------|
| lab*lab | 0.195 | 0.497 | -0.054 |
| lab*tch | 0.25  | 0.5   | 0.982  |
| lab*nch | 0.0   | 0.5   | 0.982  |

relative Natural Colour (NC)

|         |       |       |        |
|---------|-------|-------|--------|
| lab*trj | 0.195 | 0.454 | -0.208 |
| lab*tce | 0.25  | 0.5   | 0.932  |
| lab*nce | 0.0   | 0.5   | 0.72*  |

relative Inform. Technology (IT)

|        |      |     |      |       |
|--------|------|-----|------|-------|
| olvi3* | 0.25 | 0.0 | 0.25 | (1.0) |
| cmyn3* | 0.75 | 0.0 | 0.75 | (0.0) |
| olvi4* | 1.0  | 0.0 | 1.0  | 1.0   |
| cmyn4* | 0.0  | 0.0 | 0.0  | 0.0   |

standard and adapted CIELAB

|          |       |       |        |
|----------|-------|-------|--------|
| LAB*LAB  | 25.01 | 37.84 | -0.62  |
| LAB*LABa | 25.01 | 37.63 | -4.17  |
| LAB*LABb | 25.01 | 37.86 | 353.66 |

relative CIELAB lab\*

|         |       |       |        |
|---------|-------|-------|--------|
| lab*lab | 0.195 | 0.497 | -0.054 |
| lab*tch | 0.25  | 0.5   | 0.982  |
| lab*nch | 0.0   | 0.5   | 0.982  |

relative Natural Colour (NC)

|         |       |       |        |
|---------|-------|-------|--------|
| lab*trj | 0.195 | 0.454 | -0.208 |
| lab*tce | 0.25  | 0.5   | 0.932  |
| lab*nce | 0.0   | 0.5   | 0.72*  |

relative Inform. Technology (IT)

|        |     |     |     |       |
|--------|-----|-----|-----|-------|
| olvi3* | 0.0 | 0.0 | 0.0 | (1.0) |
| cmyn3* | 1.0 | 1.0 | 1.0 | (0.0) |
| olvi4* | 1.0 | 1.0 | 1.0 | 1.0   |
| cmyn4* | 0.0 | 0.0 | 0.0 | 0.0   |

standard and adapted CIELAB

|          |       |       |     |
|----------|-------|-------|-----|
| LAB*LAB  | 18.02 | 18.02 | 0.5 |
| LAB*LABa | 18.02 | 18.02 | 0.5 |
| LAB*LABb | 18.02 | 18.02 | 0.5 |

relative CIELAB lab\*

|         |     |     |     |
|---------|-----|-----|-----|
| lab*lab | 0.0 | 0.0 | 0.0 |
| lab*tch | 0.0 | 0.0 | 0.0 |
| lab*nch | 0.0 | 0.0 | 0.0 |

relative Natural Colour (NC)

|         |     |     |     |
|---------|-----|-----|-----|
| lab*trj | 0.0 | 0.0 | 0.0 |
| lab*tce | 0.0 | 0.0 | 0.0 |
| lab*nce | 0.0 | 0.0 | 0.0 |

relative Inform. Technology (IT)

|        |     |     |     |       |
|--------|-----|-----|-----|-------|
| olvi3* | 0.0 | 0.0 | 0.0 | (1.0) |
| cmyn3* | 1.0 | 1.0 | 1.0 | (0.0) |
| olvi4* | 1.0 | 1.0 | 1.0 | 1.0   |
| cmyn4* | 0.0 | 0.0 | 0.0 | 0.0   |

standard and adapted CIELAB

|          |       |       |      |
|----------|-------|-------|------|
| LAB*LAB  | 18.02 | 18.02 | 0.46 |
| LAB*LABa | 18.02 | 18.02 | 0.46 |
| LAB*LABb | 18.02 | 18.02 | 0.46 |

relative CIELAB lab\*

|         |     |     |     |
|---------|-----|-----|-----|
| lab*lab | 0.0 | 0.0 | 0.0 |
| lab*tch | 0.0 | 0.0 | 0.0 |
| lab*nch | 0.0 | 0.0 | 0.0 |

relative Natural Colour (NC)

|         |     |     |     |
|---------|-----|-----|-----|
| lab*trj | 0.0 | 0.0 | 0.0 |
| lab*tce | 0.0 | 0.0 | 0.0 |
| lab*nce | 0.0 | 0.0 | 0.0 |

### ORS18; adapted (a) CIELAB data

$L^*=L^*_a$   $a^*_a$   $b^*_a$   $C^*_{ab,a}$   $h^*_{ab,a}$

|      |       |        |        |       |     |
|------|-------|--------|--------|-------|-----|
| OMa  | 47.94 | 65.37  | 50.52  | 82.62 | 38  |
| YMa  | 90.37 | -10.27 | 91.77  | 92.34 | 96  |
| LMa  | 50.9  | -62.79 | 34.95  | 71.87 | 151 |
| CLMa | 58.62 | -30.35 | -45.01 | 54.3  | 236 |
| VMa  | 25.71 | 31.11  | -44.42 | 54.24 | 305 |
| MMa  | 48.13 | 75.27  | -8.35  | 75.73 | 354 |
| NMa  | 18.01 | 0.0    | 0.0    | 0.0   | 0   |
| WMa  | 95.41 | 0.0    | 0.0    | 0.0   | 0   |
| RCIE | 39.92 | 58.66  | 26.98  | 64.56 | 25  |
| JCIE | 81.26 | -2.17  | 67.76  | 67.79 | 92  |
| GCIE | 52.23 | -42.26 | 11.75  | 43.87 | 164 |
| BCIE | 30.57 | 1.15   | -46.84 | 46.87 | 271 |

%Regularity

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

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

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.00$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

$n^* = 1.0$

### Output: Colorimetric Reflective System MRS18

for hue  $h^* = lab^*h = 322/360 = 0.895$

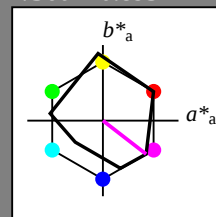
$lab^*tch$  and  $lab^*nch$

D65: hue B50R

LCH\*Ma: 35 72 322

rgb\*Ma: 1.0 0.0 1.0

triangle lightness  $t^*$



relative Inform. Technology (IT)

|        |     |     |     |       |
|--------|-----|-----|-----|-------|
| olvi3* | 1.0 | 1.0 | 1.0 | (1.0) |
| cmyn3* | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi4* | 1.0 | 1.0 | 1.0 | 1.0   |
| cmyn4* | 0.0 | 0.0 | 0.0 | 0.0   |

standard and adapted CIELAB

|          |       |       |      |
|----------|-------|-------|------|
| LAB*LAB  | 95.41 | -0.97 | 4.75 |
| LAB*LABa | 95.41 | 0.0   | 0.0  |
| LAB*LABb | 99.99 | 0.01  | 0.0  |

relative CIELAB lab\*

|         |     |     |     |
|---------|-----|-----|-----|
| lab*lab | 1.0 | 0.0 | 0.0 |
| lab*tch | 1.0 | 0.0 | 0.0 |
| lab*nch | 0.0 | 0.0 | 0.0 |

relative Natural Colour (NC)

|         |     |     |     |
|---------|-----|-----|-----|
| lab*trj | 1.0 | 0.0 | 0.0 |
| lab*tce | 1.0 | 0.0 | 0.0 |
| lab*nce | 0.0 | 0.0 | 0.0 |

relative Inform. Technology (IT)

|        |     |      |     |       |
|--------|-----|------|-----|-------|
| olvi3* | 1.0 | 0.75 | 1.0 | (1.0) |
| cmyn3* | 0.0 | 0.25 | 0.0 | (0.0) |
| olvi4* | 1.0 | 0.75 | 1.0 | 1.0   |
| cmyn4* | 0.0 | 0.25 | 0.0 | 0.0   |

standard and adapted CIELAB

|          |       |       |        |
|----------|-------|-------|--------|
| LAB*LAB  | 80.29 | 13.6  | -7.31  |
| LAB*LABa | 80.29 | 14.29 | -11.05 |
| LAB*LABb | 87.5  | 18.07 | 322.25 |

relative CIELAB lab\*

|         |       |       |        |
|---------|-------|-------|--------|
| lab*lab | 0.805 | 0.198 | -0.152 |
| lab*tch | 0.875 | 0.25  | 0.895  |
| lab*nch | 0.0   | 0.25  | 0.895  |

relative Natural Colour (NC)

|         |       |       |        |
|---------|-------|-------|--------|
| lab*trj | 0.805 | 0.162 | -0.189 |
| lab*tce | 0.875 | 0.25  | 0.862  |
| lab*nce | 0.0   | 0.25  | 0.84*  |

relative Inform. Technology (IT)

|        |     |     |     |       |
|--------|-----|-----|-----|-------|
| olvi3* | 1.0 | 0.5 | 1.0 | (1.0) |
| cmyn3* | 0.0 | 0.5 | 0.0 | (0.0) |
| olvi4* | 1.0 | 0.5 | 1.0 | 1.0   |
| cmyn4* | 0.0 | 0.5 | 0.0 | 0.0   |

standard and adapted CIELAB

|          |       |       |        |
|----------|-------|-------|--------|
| LAB*LAB  | 60.94 | 13.97 | -8.62  |
| LAB*LABa | 60.94 | 14.29 | -11.06 |
| LAB*LABb | 62.5  | 18.08 | 322.25 |

relative CIELAB lab\*

|         |       |       |        |
|---------|-------|-------|--------|
| lab*lab | 0.555 | 0.198 | -0.152 |
| lab*tch | 0.625 | 0.25  | 0.895  |
| lab*nch | 0.0   | 0.25  | 0.895  |

relative Natural Colour (NC)

|         |       |       |        |
|---------|-------|-------|--------|
| lab*trj | 0.555 | 0.162 | -0.189 |
| lab*tce | 0.625 | 0.25  | 0.862  |
| lab*nce | 0.0   | 0.25  | 0.84*  |

relative Inform. Technology (IT)

|        |      |     |      |       |
|--------|------|-----|------|-------|
| olvi3* | 0.75 | 0.0 | 0.75 | (1.0) |
| cmyn3* | 0.25 | 0.0 | 0.25 | (0.0) |
| olvi4* | 1.0  | 0.0 | 1.0  | 1.0   |
| cmyn4* | 0.0  | 0.0 | 0.0  | 0.0   |

standard and adapted CIELAB

|          |       |       |        |
|----------|-------|-------|--------|
| LAB*LAB  | 45.83 | 28.56 | -20.71 |
| LAB*LABa | 45.83 | 28.59 | -22.12 |
| LAB*LABb | 50.0  | 36.15 | 322.25 |

relative CIELAB lab\*

|         |       |       |        |
|---------|-------|-------|--------|
| lab*lab | 0.359 | 0.995 | -0.305 |
| lab*tch | 0.5   | 1.0   | 0.895  |
| lab*nch | 0.0   | 1.0   | 0.895  |

relative Natural Colour (NC)

|         |       |       |       |
|---------|-------|-------|-------|
| lab*trj | 0.359 | 0.924 | -0.38 |
| lab*tce | 0.5   | 1.0   | 0.862 |
| lab*nce | 0.0   | 1.0   | 0.84* |

relative Inform. Technology (IT)

|        |     |     |     |       |
|--------|-----|-----|-----|-------|
| olvi3* | 0.5 | 0.0 | 0.5 | (1.0) |
| cmyn3* | 0.5 | 0.0 | 0.5 | (0.0) |
| olvi4* | 1.0 | 0.0 | 1.0 | 1.0   |
| cmyn4* | 0.0 | 0.0 | 0.0 | 0.0   |

standard and adapted CIELAB

|          |       |       |        |
|----------|-------|-------|--------|
| LAB*LAB  | 30.72 | 42.87 | -33.19 |
| LAB*LABa | 30.72 | 42.87 | -33.19 |
| LAB*LABb | 37.51 | 54.22 | 322.25 |

relative CIELAB lab\*

|         |       |       |        |
|---------|-------|-------|--------|
| lab*lab | 0.164 | 0.593 | -0.458 |
| lab*tch | 0.375 | 0.75  | 0.895  |
| lab*nch | 0.0   | 0.75  | 0.895  |

relative Natural Colour (NC)

|         |       |       |       |
|---------|-------|-------|-------|
| lab*trj | 0.164 | 0.486 | -0.57 |
| lab*tce | 0.375 | 0.75  | 0.862 |
| lab*nce | 0.0   | 0.75  | 0.84* |

relative Inform. Technology (IT)

|        |      |     |      |       |
|--------|------|-----|------|-------|
| olvi3* | 0.25 | 0.0 | 0.25 | (1.0) |
| cmyn3* | 0.75 | 0.0 | 0.75 | (0.0) |
| olvi4* | 1.0  | 0.0 | 1.0  | 1.0   |
| cmyn4* | 0.0  | 0.0 | 0.0  | 0.0   |

standard and adapted CIELAB

|          |       |       |        |
|----------|-------|-------|--------|
| LAB*LAB  | 25.01 | 37.84 | -0.62  |
| LAB*LABa | 25.01 | 37.63 | -4.17  |
| LAB*LABb | 25.01 | 37.86 | 353.66 |

relative CIELAB lab\*

|         |       |  |
|---------|-------|--|
| lab*lab | 0.195 |  |
|---------|-------|--|

### Input: Colorimetric Reflective System ORS18

for hue  $h^* = lab^*h = 25/360 = 0.069$

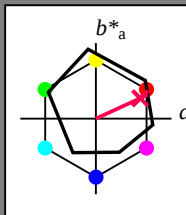
$lab^*tch$  and  $lab^*nch$

D65: hue R

LCH\*Ma: 48 75 25

rgb\*Ma: 1.0 0.0 0.32

triangle lightness  $t^*$



% Gamut

$u^*_{rel} = 93$

relative Inform. Technology (IT)

|        |     |     |     |       |
|--------|-----|-----|-----|-------|
| olvi3* | 1.0 | 1.0 | 1.0 | (1.0) |
| cmyn3* | 0.0 | 0.0 | 0.0 | (0.0) |
| olvi4* | 1.0 | 1.0 | 1.0 | (1.0) |
| cmyn4* | 0.0 | 0.0 | 0.0 | (0.0) |

standard and adapted CIELAB

|          |       |       |      |
|----------|-------|-------|------|
| LAB*LAB  | 95.41 | -0.97 | 4.75 |
| LAB*LABa | 95.41 | 0.0   | 0.0  |
| LAB*LABb | 99.99 | 0.01  | 0.0  |

relative CIELAB lab\*

|         |     |     |     |
|---------|-----|-----|-----|
| lab*lab | 1.0 | 0.0 | 0.0 |
| lab*tch | 0.0 | 1.0 | 0.0 |
| lab*nch | 0.0 | 0.0 | 1.0 |

relative Natural Colour (NC)

|         |     |     |     |
|---------|-----|-----|-----|
| lab*trj | 1.0 | 0.0 | 0.0 |
| lab*tce | 0.0 | 1.0 | 0.0 |
| lab*nce | 0.0 | 0.0 | 1.0 |

relative Inform. Technology (IT)

|        |      |      |      |       |
|--------|------|------|------|-------|
| olvi3* | 0.75 | 0.75 | 0.75 | (1.0) |
| cmyn3* | 0.25 | 0.25 | 0.25 | (0.0) |
| olvi4* | 1.0  | 1.0  | 1.0  | (1.0) |
| cmyn4* | 0.0  | 0.0  | 0.0  | (0.0) |

standard and adapted CIELAB

|          |       |      |      |
|----------|-------|------|------|
| LAB*LAB  | 76.06 | -0.6 | 3.44 |
| LAB*LABa | 76.06 | 0.0  | 0.0  |
| LAB*LABb | 75.00 | 0.01 | 0.0  |

relative CIELAB lab\*

|         |       |      |       |
|---------|-------|------|-------|
| lab*lab | 0.847 | 0.25 | 0.09  |
| lab*tch | 0.875 | 0.25 | 0.069 |
| lab*nch | 0.0   | 0.25 | 0.069 |

relative Natural Colour (NC)

|         |       |      |       |
|---------|-------|------|-------|
| lab*trj | 0.847 | 0.25 | 0.0   |
| lab*tce | 0.875 | 0.25 | 0.0   |
| lab*nce | 0.0   | 0.25 | 0.099 |

relative Inform. Technology (IT)

|        |      |      |       |        |
|--------|------|------|-------|--------|
| olvi3* | 0.75 | 0.5  | 0.58  | (1.0)  |
| cmyn3* | 0.25 | 0.5  | 0.419 | (0.0)  |
| olvi4* | 1.0  | 0.75 | 0.831 | (0.75) |
| cmyn4* | 0.0  | 0.25 | 0.169 | (0.5)  |

standard and adapted CIELAB

|          |       |       |       |
|----------|-------|-------|-------|
| LAB*LAB  | 64.21 | 16.76 | 10.54 |
| LAB*LABa | 64.21 | 17.14 | 7.88  |
| LAB*LABb | 62.5  | 18.86 | 24.7  |

relative CIELAB lab\*

|         |       |       |       |
|---------|-------|-------|-------|
| lab*lab | 0.597 | 0.227 | 0.104 |
| lab*tch | 0.625 | 0.25  | 0.069 |
| lab*nch | 0.25  | 0.25  | 0.069 |

relative Natural Colour (NC)

|         |       |      |       |
|---------|-------|------|-------|
| lab*trj | 0.597 | 0.25 | 0.0   |
| lab*tce | 0.625 | 0.25 | 0.0   |
| lab*nce | 0.25  | 0.25 | 0.099 |

relative Inform. Technology (IT)

|        |     |     |     |       |
|--------|-----|-----|-----|-------|
| olvi3* | 0.5 | 0.5 | 0.5 | (0.0) |
| cmyn3* | 0.5 | 0.5 | 0.5 | (0.0) |
| olvi4* | 1.0 | 1.0 | 1.0 | (0.5) |
| cmyn4* | 0.0 | 0.0 | 0.0 | (0.5) |

standard and adapted CIELAB

|          |       |       |      |
|----------|-------|-------|------|
| LAB*LAB  | 56.71 | -0.23 | 2.14 |
| LAB*LABa | 56.71 | 0.0   | 0.0  |
| LAB*LABb | 55.00 | 0.01  | 0.0  |

relative CIELAB lab\*

|         |     |     |     |
|---------|-----|-----|-----|
| lab*lab | 0.3 | 0.0 | 0.0 |
| lab*tch | 0.5 | 0.0 | 0.0 |
| lab*nch | 0.0 | 0.5 | 0.0 |

relative Natural Colour (NC)

|         |     |     |     |
|---------|-----|-----|-----|
| lab*trj | 0.5 | 0.0 | 0.0 |
| lab*tce | 0.5 | 0.0 | 0.0 |
| lab*nce | 0.0 | 0.5 | 0.0 |

relative Inform. Technology (IT)

|        |      |      |      |        |
|--------|------|------|------|--------|
| olvi3* | 0.25 | 0.25 | 0.25 | (1.0)  |
| cmyn3* | 0.75 | 0.75 | 0.75 | (0.0)  |
| olvi4* | 1.0  | 1.0  | 1.0  | (0.25) |
| cmyn4* | 0.0  | 0.0  | 0.0  | (0.75) |

standard and adapted CIELAB

|          |       |       |      |
|----------|-------|-------|------|
| LAB*LAB  | 37.36 | 16.03 | 0.63 |
| LAB*LABa | 37.36 | 0.0   | 0.0  |
| LAB*LABb | 25.00 | 0.01  | 0.0  |

relative CIELAB lab\*

|         |       |       |       |
|---------|-------|-------|-------|
| lab*lab | 0.347 | 0.227 | 0.104 |
| lab*tch | 0.375 | 0.25  | 0.069 |
| lab*nch | 0.25  | 0.25  | 0.069 |

relative Natural Colour (NC)

|         |       |      |       |
|---------|-------|------|-------|
| lab*trj | 0.347 | 0.25 | 0.0   |
| lab*tce | 0.375 | 0.25 | 0.0   |
| lab*nce | 0.25  | 0.25 | 0.099 |

relative Inform. Technology (IT)

|        |      |      |      |        |
|--------|------|------|------|--------|
| olvi3* | 0.25 | 0.25 | 0.25 | (1.0)  |
| cmyn3* | 0.75 | 0.75 | 0.75 | (0.0)  |
| olvi4* | 1.0  | 1.0  | 1.0  | (0.25) |
| cmyn4* | 0.0  | 0.0  | 0.0  | (0.75) |

standard and adapted CIELAB

|          |       |       |       |
|----------|-------|-------|-------|
| LAB*LAB  | 33.01 | 34.49 | 16.31 |
| LAB*LABa | 33.01 | 34.49 | 16.31 |
| LAB*LABb | 33.01 | 34.49 | 16.31 |

relative CIELAB lab\*

|         |       |     |     |
|---------|-------|-----|-----|
| lab*lab | 0.444 | 0.5 | 0.0 |
| lab*tch | 0.444 | 0.5 | 0.0 |
| lab*nch | 0.25  | 0.5 | 0.0 |

relative Natural Colour (NC)

|         |       |     |     |
|---------|-------|-----|-----|
| lab*trj | 0.444 | 0.5 | 0.0 |
| lab*tce | 0.444 | 0.5 | 0.0 |
| lab*nce | 0.25  | 0.5 | 0.0 |

relative Inform. Technology (IT)

|        |      |      |      |        |
|--------|------|------|------|--------|
| olvi3* | 0.25 | 0.25 | 0.25 | (1.0)  |
| cmyn3* | 0.75 | 0.75 | 0.75 | (0.0)  |
| olvi4* | 1.0  | 1.0  | 1.0  | (0.25) |
| cmyn4* | 0.0  | 0.0  | 0.0  | (0.75) |

standard and adapted CIELAB

|          |       |       |       |
|----------|-------|-------|-------|
| LAB*LAB  | 33.01 | 34.49 | 16.31 |
| LAB*LABa | 33.01 | 34.49 | 16.31 |
| LAB*LABb | 33.01 | 34.49 | 16.31 |

relative CIELAB lab\*

|         |       |       |       |
|---------|-------|-------|-------|
| lab*lab | 0.291 | 0.681 | 0.313 |
| lab*tch | 0.375 | 0.75  | 0.069 |
| lab*nch | 0.25  | 0.75  | 0.069 |

relative Natural Colour (NC)

|         |       |      |     |
|---------|-------|------|-----|
| lab*trj | 0.291 | 0.75 | 0.0 |
| lab*tce | 0.375 | 0.75 | 0.0 |
| lab*nce | 0.25  | 0.75 | 0.0 |

relative Inform. Technology (IT)

|        |     |     |     |       |
|--------|-----|-----|-----|-------|
| olvi3* | 0.0 | 0.0 | 0.0 | (1.0) |
| cmyn3* | 1.0 | 1.0 | 1.0 | (0.0) |
| olvi4* | 1.0 | 1.0 | 1.0 | (0.0) |
| cmyn4* | 0.0 | 0.0 | 0.0 | (1.0) |

standard and adapted CIELAB

|          |       |       |      |
|----------|-------|-------|------|
| LAB*LAB  | 18.02 | 18.02 | 0.46 |
| LAB*LABa | 18.02 | 0.0   | 0.0  |
| LAB*LABb | 0.01  | 0.01  | 0.0  |

relative CIELAB lab\*

|         |       |       |       |
|---------|-------|-------|-------|
| lab*lab | 0.097 | 0.227 | 0.104 |
| lab*tch | 0.125 | 0.25  | 0.069 |
| lab*nch | 0.25  | 0.25  | 0.069 |

relative Natural Colour (NC)

|         |       |      |     |
|---------|-------|------|-----|
| lab*trj | 0.097 | 0.25 | 0.0 |
| lab*tce | 0.125 | 0.25 | 0.0 |
| lab*nce | 0.25  | 0.25 | 0.0 |

relative Inform. Technology (IT)

|        |     |     |     |       |
|--------|-----|-----|-----|-------|
| olvi3* | 0.0 | 0.0 | 0.0 | (1.0) |
| cmyn3* | 1.0 | 1.0 | 1.0 | (0.0) |
| olvi4* | 1.0 | 1.0 | 1.0 | (0.0) |
| cmyn4* | 0.0 | 0.0 | 0.0 | (1.0) |

standard and adapted CIELAB

|          |       |       |      |
|----------|-------|-------|------|
| LAB*LAB  | 18.02 | 18.02 | 0.46 |
| LAB*LABa | 18.02 | 0.0   | 0.0  |
| LAB*LABb | 0.01  | 0.01  | 0.0  |

relative CIELAB lab\*

|         |     |     |     |
|---------|-----|-----|-----|
| lab*lab | 0.0 | 0.0 | 0.0 |
| lab*tch | 0.0 | 1.0 | 0.0 |
| lab*nch | 0.0 | 0.0 | 1.0 |

relative Natural Colour (NC)

|         |     |     |     |
|---------|-----|-----|-----|
| lab*trj | 0.0 | 1.0 | 0.0 |
| lab*tce | 0.0 | 1.0 | 0.0 |
| lab*nce | 0.0 | 0.0 | 1.0 |

relative Inform. Technology (IT)

|        |     |     |     |       |
|--------|-----|-----|-----|-------|
| olvi3* | 0.0 | 0.0 | 0.0 | (1.0) |
| cmyn3* | 1.0 | 1.0 | 1.0 | (0.0) |
| olvi4* | 1.0 | 1.0 | 1.0 | (0.0) |
| cmyn4* | 0.0 | 0.0 | 0.0 | (1.0) |

standard and adapted CIELAB

|          |       |       |      |
|----------|-------|-------|------|
| LAB*LAB  | 18.02 | 18.02 | 0.46 |
| LAB*LABa | 18.02 | 0.0   | 0.0  |
| LAB*LABb | 0.01  | 0.01  | 0.0  |

relative CIELAB lab\*

|         |     |     |     |
|---------|-----|-----|-----|
| lab*lab | 0.0 | 0.0 | 0.0 |
| lab*tch | 0.0 | 1.0 | 0.0 |
| lab*nch | 0.0 | 0.0 | 1.0 |

relative Natural Colour (NC)

|         |     |     |     |
|---------|-----|-----|-----|
| lab*trj | 0.0 | 1.0 | 0.0 |
| lab*tce | 0.0 | 1.0 | 0.0 |
| lab*nce | 0.0 | 0.0 | 1.0 |

### ORS18; adapted (a) CIELAB data

$L^*=L^*_a$   $a^*_a$   $b^*_a$   $C^*_{ab,a}$   $h^*_{ab,a}$

|      |       |        |        |       |     |
|------|-------|--------|--------|-------|-----|
| OMa  | 47.94 | 65.37  | 50.52  | 82.62 | 38  |
| YMa  | 90.37 | -10.27 | 91.77  | 92.34 | 96  |
| LMa  | 50.9  | -62.79 | 34.95  | 71.87 | 151 |
| CMa  | 58.62 | -30.35 | -45.01 | 54.3  | 236 |
| VMa  | 25.71 | 31.11  | -44.42 | 54.24 | 305 |
| MMa  | 48.13 | 75.27  | -8.35  | 75.73 | 354 |
| NMa  | 18.01 | 0.0    | 0.0    | 0.0   | 0   |
| WMa  | 95.41 | 0.0    | 0.0    | 0.0   | 0   |
| RCIE | 39.92 | 58.66  | 26.98  | 64.56 | 25  |
| JCIE | 81.26 | -2.17  | 67.76  | 67.79 | 92  |
| GCIE | 52.23 | -42.26 | 11.75  | 43.87 | 164 |
| BCIE | 30.57 | 1.15   | -46.84 | 46.87 | 271 |

% Regularity

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

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

relative Inform. Technology (IT)

|        |     |      |       |       |
|--------|-----|------|-------|-------|
| olvi3* | 1.0 | 0.5  | 0.661 | (1.0) |
| cmyn3* | 0.0 | 0.5  | 0.339 | (0.0) |
| olvi4* | 1.0 | 0.75 | 0.831 | (1.0) |
| cmyn4* | 0.0 | 0.25 | 0.169 | (0.0) |

standard and adapted CIELAB

|          |      |       |       |
|----------|------|-------|-------|
| LAB*LAB  | 71.7 | 33.75 | 18.92 |
| LAB*LABa | 71.7 | 34.27 | 15.76 |
| LAB*LABb | 75.0 | 37.72 | 24.69 |

relative CIELAB lab\*

|         |       |       |       |
|---------|-------|-------|-------|
| lab*lab | 0.694 | 0.454 | 0.209 |
| lab*tch | 0.75  | 0.5   | 0.069 |
| lab*nch | 0.0   | 0.5   | 0.069 |

relative Natural Colour (NC)

|         |       |     |       |
|---------|-------|-----|-------|
| lab*trj | 0.694 | 0.5 | 0.0   |
| lab*tce | 0.75  | 0.5 | 0.0   |
| lab*nce | 0.0   | 0.5 | 0.099 |

relative Inform. Technology (IT)

|        |     |      |       |       |
|--------|-----|------|-------|-------|
| olvi3* | 1.0 | 0.25 | 0.492 | (1.0) |
| cmyn3* | 0.0 | 0.25 | 0.508 | (0.0) |
| olvi4* | 1.0 | 0.25 | 0.492 | (1.0) |
| cmyn4* | 0.0 | 0.75 | 0.508 | (0.0) |

standard and adapted CIELAB

|          |       |       |       |
|----------|-------|-------|-------|
| LAB*LAB  | 59.85 | 51.12 | 26.0  |
| LAB*LABa | 59.85 | 51.42 | 23.64 |
| LAB*LABb | 62.5  | 56.39 | 24.7  |

relative CIELAB lab\*

|         |       |       |       |
|---------|-------|-------|-------|
| lab*lab | 0.541 | 0.681 | 0.313 |
| lab*tch | 0.625 | 0.75  | 0.069 |
| lab*nch | 0.0   | 0.75  | 0.069 |

relative Natural Colour (NC)

|         |       |      |       |
|---------|-------|------|-------|
| lab*trj | 0.541 | 0.75 | 0.0   |
| lab*tce | 0.625 | 0.75 | 0.0   |
| lab*nce | 0.0   | 0.75 | 0.099 |

relative Inform. Technology (IT)

|        |     |     |       |       |
|--------|-----|-----|-------|-------|
| olvi3* | 1.0 | 0.0 | 0.522 | (1.0) |
| cmyn3* | 0.0 | 1.0 | 0.678 | (0.0) |
| olvi4* | 1.0 | 1.0 | 0.5   | (0.0) |
| cmyn4* | 0.0 | 0.0 | 0.5   | (0.0) |

standard and adapted CIELAB

|          |       |       |       |
|----------|-------|-------|-------|
| LAB*LAB  | 48.01 | 68.48 | 33.09 |
| LAB*LABa | 48.01 | 68.55 | 31.53 |
| LAB*LABb | 50.0  | 75.45 | 24.7  |

relative CIELAB lab\*

|         |       |       |       |
|---------|-------|-------|-------|
| lab*lab | 0.388 | 0.908 | 0.418 |
| lab*tch | 0.5   | 1.0   | 0.069 |
| lab*nch | 0.0   | 1.0   | 0.069 |

relative Natural Colour (NC)

|         |       |     |     |
|---------|-------|-----|-----|
| lab*trj | 0.388 | 1.0 | 0.0 |
| lab*tce | 0.5   | 1.0 | 0.0 |
| lab*nce | 0.0   | 1.0 | 0.0 |

relative Inform. Technology (IT)

|        |     |     |     |       |
|--------|-----|-----|-----|-------|
| olvi3* | 0.5 | 0.5 | 0.5 | (0.0) |
| cmyn3* | 0.5 | 0.5 | 0.5 | (0.0) |
| olvi4* | 1.0 | 1.0 | 1.0 | (0.5) |
| cmyn4* | 0.0 | 0.0 | 0.0 | (0.5) |

standard and adapted CIELAB

|          |       |       |      |
|----------|-------|-------|------|
| LAB*LAB  | 44.91 | 16.49 | 8.94 |
| LAB*LABa | 44.91 | 16.5  | 7.59 |
| LAB*LABb | 42.5  | 18.16 | 24.7 |

relative CIELAB lab\*

|         |       |       |       |
|---------|-------|-------|-------|
| lab*lab | 0.598 | 0.227 | 0.104 |
| lab*tch | 0.625 | 0.25  | 0.069 |
| lab*nch | 0.25  | 0.25  | 0.069 |

relative Natural Colour (NC)

|         |       |      |       |
|---------|-------|------|-------|
| lab*trj | 0.598 | 0.25 | 0.0   |
| lab*tce | 0.625 | 0.25 | 0.0   |
| lab*nce | 0.25  | 0.25 | 0.099 |

relative Inform. Technology (IT)

|        |      |      |       |        |
|--------|------|------|-------|--------|
| olvi3* | 0.75 | 0.0  | 0.732 | (1.0)  |
| cmyn3* | 0.25 | 0.75 | 0.702 | (0.0)  |
| olvi4* | 1.0  | 0.5  | 0.548 | (0.75) |
| cmyn4* | 0.0  | 0.5  | 0.452 | (0.25) |

standard and adapted CIELAB

|          |       |       |       |
|----------|-------|-------|-------|
| LAB*LAB  | 52.46 | 33.01 | 15.18 |
| LAB*LABa | 52.46 | 33.01 | 15.18 |
| LAB*LABb | 50.0  | 36.33 | 24.7  |

relative CIELAB lab\*

|         |       |       |       |
|---------|-------|-------|-------|
| lab*lab | 0.543 | 0.681 | 0.313 |
| lab*tch | 0.625 | 0.75  | 0.069 |
| lab*nch | 0.0   | 0.75  | 0.069 |

relative Natural Colour (NC)

|         |       |      |       |
|---------|-------|------|-------|
| lab*trj | 0.543 | 0.75 | 0.0   |
| lab*tce | 0.625 | 0.75 | 0.0   |
| lab*nce | 0.0   | 0.75 | 0.099 |

relative Inform. Technology (IT)

|        |      |      |       |        |
|--------|------|------|-------|--------|
| olvi3* | 0.75 | 0.0  | 0.411 | (1.0)  |
| cmyn3* | 0.25 | 0.75 | 0.589 | (0.0)  |
| olvi4* | 1.0  | 0.5  | 0.661 | (0.75) |
| cmyn4* | 0.0  | 0.5  | 0.339 | (0.25) |

standard and adapted CIELAB

|          |       |       |       |
|----------|-------|-------|-------|
| LAB*LAB  | 52.36 | 34.13 | 17.62 |
| LAB*LABa | 52.36 | 34.28 | 15.77 |
| LAB*LABb | 50.0  | 37.73 | 24.7  |

relative CIELAB lab\*

|         |       |     |     |
|---------|-------|-----|-----|
| lab*lab | 0.444 | 0.5 | 0.0 |
| lab*tch | 0.444 | 0.5 | 0.0 |
| lab*nch | 0.25  | 0.5 | 0.0 |

relative Natural Colour (NC)

|         |       |     |     |
|---------|-------|-----|-----|
| lab*trj | 0.444 | 0.5 | 0.0 |
| lab*tce | 0.444 | 0.5 | 0.0 |
| lab*nce | 0.25  | 0.5 | 0.0 |

|                 |       |  |  |  |
|-----------------|-------|--|--|--|
| Technology (IT) |       |  |  |  |
| 0.5             | (1.0) |  |  |  |
| 0.5             | (0.0) |  |  |  |
| 1.0             | 0.5   |  |  |  |
| 0.0             | 0.5   |  |  |  |
| CIELAB          |       |  |  |  |
| 0.23            | 2.14  |  |  |  |
| 0.0             | 0.0   |  |  |  |

|                  |      |
|------------------|------|
| LAB*TCa          | 62.5 |
| relative CIELAB  |      |
| lab*lab          | 0.59 |
| lab*tc           | 0.62 |
| lab*nc           | 0.22 |
| relative Natural |      |
| lab*lrj          | 0.59 |
| lab*tc           | 0.62 |
| lab*ncE          | 0.22 |





