

Input: Colorimetric Reflective System ORS18

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

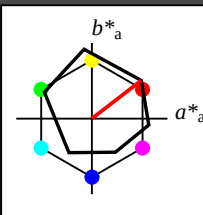
lab^*tch and lab^*nch

D65: hue O

LCH*Ma: 48 83 38

rgb*Ma: 1.0 0.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

ORS18; adapted (a) CIELAB data

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

O _{Ma}	47.94	65.37	50.52	82.62	38
Y _{Ma}	90.37	-10.27	91.77	92.34	96
L _{Ma}	50.9	-62.79	34.95	71.87	151
C _{Ma}	58.62	-30.35	-45.01	54.3	236
V _{Ma}	25.71	31.11	-44.42	54.24	305
M _{Ma}	48.13	75.27	-8.35	75.73	354
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	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

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

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

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 31/360 = 0.086$

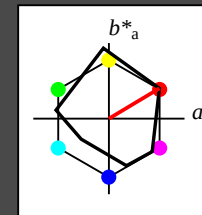
lab^*tch and lab^*nch

D65: hue R

LCH*Ma: 50 78 31

rgb*Ma: 1.0 0.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data

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

R _{Ma}	49.63	66.8	40.02	77.87	31
J _{Ma}	90.7	-7.27	93.19	93.48	94
G _{Ma}	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

% Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

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*TCMa	99.99 0.01 -
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 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 16.34 12.62
LAB*LABa	83.54 16.34 12.62
LAB*TCMa	97.5 20.65 37.7
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*tce	0.875 0.25 0.048
lab*nce	0.0 0.25 0.19

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 32.15 28.41
LAB*TCMa	97.5 20.65 37.7
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*tce	0.75 0.5 0.048
lab*nce	0.0 0.5 0.19

relative Inform. Technology (IT)	
olvi3*	1.0 0.25 0.25 (1.0)
cmyn3*	0.0 0.75 0.75 (0.0)
olvi4*	1.0 0.25 0.25 (1.0)
cmyn4*	0.0 0.75 0.75 (0.0)
standard and adapted CIELAB	
LAB*LAB	59.81 48.72 40.24
LAB*LABa	59.81 48.72 40.24
LAB*TCMa	97.5 20.65 37.7
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*tce	0.625 0.75 0.048
lab*nce	0.0 0.75 0.19

relative Inform. Technology (IT)	
olvi3*	1.0 0.0 0.0 (1.0)
cmyn3*	0.0 1.0 1.0 (0.0)
olvi4*	1.0 0.0 0.0 (1.0)
cmyn4*	0.0 1.0 1.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	47.95 65.29 52.06
LAB*LABa	47.95 65.29 52.06
LAB*TCMa	97.5 20.65 37.7
relative CIELAB lab*	
lab*lab	0.387 0.791 0.611
lab*tch	0.5 1.0 0.105
lab*nch	0.0 1.0 0.105
relative Natural Colour (NC)	
lab*trj	0.387 0.954 0.299
lab*tce	0.5 1.0 0.19
lab*nce	0.0 1.0 0.19

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*	0.5 0.5 0.5 (0.0)
standard and adapted CIELAB	
LAB*LAB	45.26 16.77 10.02
LAB*LABa	45.26 16.77 10.02
LAB*TCMa	97.5 20.65 37.7
relative CIELAB lab*	
lab*lab	0.502 0.248 0.032
lab*tch	0.625 0.25 0.02
lab*nch	0.0 0.25 0.08
relative Natural Colour (NC)	
lab*trj	0.502 0.248 0.032
lab*tce	0.625 0.25 0.02
lab*nce	0.0 0.25 0.08

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 0.75 0.75 (1.0)
cmyn4*	0.25 0.25 0.25 (0.0)
standard and adapted CIELAB	
LAB*LAB	64.61 16.7 10.01
LAB*LABa	64.61 16.7 10.01
LAB*TCMa	97.5 20.65 37.7
relative CIELAB lab*	
lab*lab	0.852 0.214 0.128
lab*tch	0.875 0.25 0.086
lab*nch	0.0 0.25 0.086
relative Natural Colour (NC)	
lab*trj	0.852 0.248 0.032
lab*tce	0.875 0.25 0.02
lab*nce	0.0 0.25 0.08

relative Inform. Technology (IT)	
olvi3*	0.75 0.5 0.5 (1.0)
cmyn3*	0.25 0.5 0.5 (0.0)
olvi4*	1.0 0.75 0.75 (1.0)
cmyn4*	0.0 0.5 0.5 (0.0)
standard and adapted CIELAB	
LAB*LAB	72.52 33.43 20.01
LAB*LABa	72.52 33.43 20.01
LAB*TCMa	97.5 20.65 37.7
relative CIELAB lab*	
lab*lab	0.704 0.429 0.257
lab*tch	0.75 0.5 0.086
lab*nch	0.0 0.5 0.086
relative Natural Colour (NC)	
lab*trj	0.704 0.496 0.064
lab*tce	0.75 0.5 0.02
lab*nce	0.0 0.5 0.08

relative Inform. Technology (IT)	
olvi3*	1.0 0.0 0.0 (1.0)
cmyn3*	0.0 1.0 1.0 (0.0)
olvi4*	1.0 0.0 0.0 (1.0)
cmyn4*	0.0 1.0 1.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	61.07 50.14 30.03
LAB*LABa	61.07 50.14 30.03
LAB*TCMa	97.5 20.65 37.7
relative CIELAB lab*	
lab*lab	0.556 0.643 0.385
lab*tch	0.625 0.75 0.086
lab*nch	0.0 0.75 0.086
relative Natural Colour (NC)	
lab*trj	0.556 0.744 0.096
lab*tce	0.625 0.75 0.02
lab*nce	0.0 0.75 0.08

relative Inform. Technology (IT)	
olvi3*	0.75 0.0 0.0 (1.0)
cmyn3*	0.25 0.0 0.0 (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	49.63 66.84 40.03
LAB*LABa	49.63 66.84 40.03
LAB*TCMa	97.5 20.65 37.7
relative CIELAB lab*	
lab*lab	0.409 0.858 0.514
lab*tch	0.5 1.0 0.086
lab*nch	0.0 1.0 0.086
relative Natural Colour (NC)	
lab*trj	0.409 0.992 0.128
lab*tce	0.5 1.0 0.02
lab*nce	0.0 1.0 0.08

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 -0.6 3.44
LAB*TCMa	75.0 0.01 -
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*	0.75 0.5 0.5 (1.0)
cmyn3*	0.25 0.5 0.5 (0.0)
olvi4*	1.0 0.75 0.75 (1.0)
cmyn4*	0.0 0.5 0.5 (0.0)
standard and adapted CIELAB	
LAB*LAB	64.19 15.96 15.28
LAB*LABa	64.19 15.96 15.28
LAB*TCMa	62.5 20.65 37.7
relative CIELAB lab*	
lab*lab	0.593 0.198 0.153
lab*tch	0.625 0.25 0.105
lab*nch	0.0 0.25 0.105
relative Natural Colour (NC)	
lab*trj	0.593 0.238 0.075
lab*tce	0.625 0.25 0.048
lab*nce	0.0 0.25 0.19

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 0.5 0.5 (1.0)
cmyn4*	0.0 0.5 0.5 (0.0)
standard and adapted CIELAB	
LAB*LAB	52.33 32.53 27.11
LAB*LABa	52.33 32.53 27.11
LAB*TCMa	50.0 41.31 37.7
relative CIELAB lab*	
lab*lab	0.443 0.396 0.306
lab*tch	0.5 0.5 0.105
lab*nch	0.0 0.5 0.105
relative Natural Colour (NC)	
lab*trj	0.443 0.477 0.15
lab*tce	0.5 0.5 0.048
lab*nce	0.0 0.5 0.19

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 0.25 0.25 (1.0)
cmyn4*	0.0 0.75 0.75 (0.0)
standard and adapted CIELAB	
LAB*LAB	49.17 38.93
LAB*LABa	49.17 38.93
LAB*TCMa	37.51 61.95 37.7
relative CIELAB lab*	
lab*lab	0.29 0.593 0.459
lab*tch	0.375 0.75 0.105
lab*nch	0.0 0.75 0.105
relative Natural Colour (NC)	
lab*trj	0.29 0.715 0.225
lab*tce	0.375 0.75 0.048
lab*nce	0.0 0.75 0.19

relative Inform. Technology (IT)	
olvi3*	0.75 0.0 0.0 (1.0)
cmyn3*	0.25 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	47.95 65.29 52.06
LAB*LABa	47.95 65.29 52.06
LAB*TCMa	97.5 20.65 37.7
relative CIELAB lab*	
lab*lab	0.387 0.791 0.611
lab*tch	0.5 1.0 0.105
lab*nch	0.0 1.0 0.105
relative Natural Colour (NC)	
lab*trj	0.387 0.954 0.299
lab*tce	0.5 1.0 0.19
lab*nce	0.0 1.0 0.19

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*	0.5 0.5 0.5 (0.0)
standard and adapted CIELAB	
LAB*LAB	45.26 16.77 10.02
LAB*LABa	45.26 16.77 10.02
LAB*TCMa	97.5 20.65 37.7
relative CIELAB lab*	
lab*lab	0.502 0.248 0.032
lab*tch	0.625 0.25 0.02
lab*nch	0.0 0.25 0.08
relative Natural Colour (NC)	
lab*trj	0.502 0.248 0.032
lab*tce	0.625 0.25 0.02
lab*nce	0.0 0.25 0.08

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 0.75 0.75 (1.0)
cmyn4*	0.25 0.25 0.25 (0.0)
standard and adapted CIELAB	
LAB*LAB	64.61 16.7 10.01
LAB*LABa	64.61 16.7 10.01
LAB*TCMa	97.5 20.65 37.7
relative CIELAB lab*	
lab*lab	0.852 0.214 0.128
lab*tch	0.875 0.25 0.086
lab*nch	0.0 0.25 0.086
relative Natural Colour (NC)	
lab*trj	0.852 0.248 0.032
lab*tce	0.875 0.25 0.02
lab*nce	0.0 0.25 0.08

Inform. Technology (IT)			
1.0	0.5	0.5	(1.0)
0.0	0.5	0.5	(0.0)
1.0	0.5	0.5	1.0
0.0	0.5	0.5	0.0
I and adapted CIELAB			
B	72.52	33.43	20.01
Ba	72.52	33.39	20.01
Ba	75.0	38.93	30.93
CIELAB lab*			
0.704	0.429	0.257	
0.75	0.5	0.086	
0.0	0.5	0.086	
Natural Colour (NC)			
0.704	0.496	0.064	
0.75	0.5	0.086	
0.0	0.5	0.086	

relative
olvi3*
cmyn2*
olvi4*
cmyn4*
standard
LAB-L*

Input: Colorimetric Reflective System ORS18

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

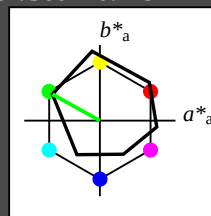
lab^*tch and lab^*nch

D65: hue L

LCH*Ma: 51 72 151

rgb*Ma: 0.0 1.0 0.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

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)
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*	0.75 1.0 0.75 (1.0)
cmyn3*	0.25 0.0 0.25 (0.0)
olvi4*	0.75 1.0 0.75 (1.0)
cmyn4*	0.25 0.0 0.25 (0.0)
standard and adapted CIELAB	
LAB*LAB	84.28 -16.45 12.74
LAB*LABa	84.28 -15.68 8.73
LAB*LABb	97.5 17.96 150.91
relative CIELAB lab*	
lab*lab	0.856 -0.217 0.122
lab*tch	0.875 0.25 0.419
lab*nch	0.0 0.25 0.419
relative Natural Colour (NC)	
lab*trj	0.856 -0.238 0.072
lab*tce	0.875 0.25 0.453
lab*nce	0.0 0.25 0.419

relative Inform. Technology (IT)	
olvi3*	0.5 1.0 0.5 (1.0)
cmyn3*	0.5 0.0 0.5 (0.0)
olvi4*	0.5 1.0 0.5 (1.0)
cmyn4*	0.5 0.0 0.5 (0.0)
standard and adapted CIELAB	
LAB*LAB	73.15 -31.94 20.73
LAB*LABa	73.15 -31.36 17.47
LAB*LABb	75.0 35.93 150.91
relative CIELAB lab*	
lab*lab	0.712 -0.436 0.243
lab*tch	0.75 0.5 0.419
lab*nch	0.0 0.5 0.419
relative Natural Colour (NC)	
lab*trj	0.712 -0.478 0.144
lab*tce	0.75 0.5 0.453
lab*nce	0.0 0.5 0.419

relative Inform. Technology (IT)	
olvi3*	0.25 1.0 0.25 (1.0)
cmyn3*	0.25 0.0 0.25 (0.0)
olvi4*	0.25 1.0 0.25 (1.0)
cmyn4*	0.25 0.0 0.25 (0.0)
standard and adapted CIELAB	
LAB*LAB	62.02 -47.43 28.71
LAB*LABa	62.02 -47.89 26.21
LAB*LABb	62.5 53.9 150.91
relative CIELAB lab*	
lab*lab	0.569 -0.654 0.365
lab*tch	0.625 0.75 0.419
lab*nch	0.0 0.75 0.419
relative Natural Colour (NC)	
lab*trj	0.569 -0.717 0.217
lab*tce	0.625 0.75 0.453
lab*nce	0.0 0.75 0.419

relative Inform. Technology (IT)	
olvi3*	0.0 1.0 0.0 (1.0)
cmyn3*	0.0 0.0 1.0 (0.0)
olvi4*	0.0 1.0 0.0 (1.0)
cmyn4*	0.0 0.0 1.0 (0.0)
standard and adapted CIELAB	
LAB*LAB	50.9 -62.91 36.69
LAB*LABa	50.9 -62.78 34.94
LAB*LABb	50.0 71.86 150.91
relative CIELAB lab*	
lab*lab	0.425 -0.873 0.486
lab*tch	0.5 1.0 0.419
lab*nch	0.0 1.0 0.419
relative Natural Colour (NC)	
lab*trj	0.425 -0.956 0.289
lab*tce	0.5 1.0 0.453
lab*nce	0.0 1.0 0.419

1.00

0.75

0.50

0.25

0.00

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 (0.0)
standard and adapted CIELAB	
LAB*LAB	37.36 -48.65 0.63
LAB*LABa	37.36 0.0 0.0
LAB*LABb	25.0 0.01 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*	0.25 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 (0.0)
standard and adapted CIELAB	
LAB*LAB	34.46 -51.2 18.11
LAB*LABa	34.46 -51.38 17.47
LAB*LABb	25.01 35.93 150.91
relative CIELAB lab*	
lab*lab	0.213 -0.436 0.243
lab*tch	0.25 0.5 0.419
lab*nch	0.0 0.5 0.419
relative Natural Colour (NC)	
lab*trj	0.213 -0.478 0.144
lab*tce	0.25 0.5 0.453
lab*nce	0.0 0.5 0.419

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

$n^* = 1.0$

0.25

0.50

0.75

1.00

chromaticness c^*

UE510-7, 5 step scales for constant CIELAB hue 151/360 = 0.419 (left)

$n^* = 1.0$

0.25

0.50

0.75

1.00

5 step scales for constant CIELAB hue 171/360 = 0.475 (right)

BAM-test chart UE51; Colorimetric systems ORS18 & MRS18a input: $cmv0^* \text{ setcmvcolor}$

D65: 2 coordinate data of 5 step colour scales for 10 hues

output: $olv^* \text{ setrgbcolor} / w^* \text{ setgray}$

Output: Colorimetric Reflective System MRS18a

for hue $h^* = lab^*h = 171/360 = 0.475$

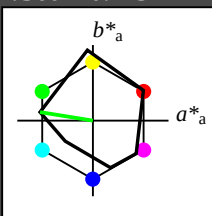
lab^*tch and lab^*nch

D65: hue G

LCH*Ma: 52 71 171

rgb*Ma: 0.0 1.0 0.0

triangle lightness t^*



% Gamut

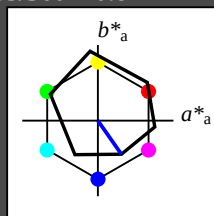
$u^*_{rel} = 92$

MRS18a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50B _{Ma}	45.03	-36.65	-27.13	45.61	217
B _{Ma}	36.65	23.26	-62.27	66.49	290
B50R _{Ma}	34.94	57.27	-43.6	71.99	323
N _{Ma}	18.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
J _{CIE}	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

Input: Colorimetric Reflective System ORS18
for hue $h^* = lab^*h = 305/360 = 0.847$
 lab^*tch and lab^*nch

D65: hue V
LCH*Ma: 26 54 305
rgb*Ma: 0.0 0.0 1.0
triangle lightness t^*



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

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

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

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

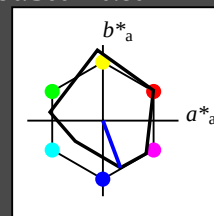
blackness n^*

chromaticness c^*

$n^* = 1,0$

Output: Colorimetric Reflective System MRS18a
for hue $h^* = lab^*h = 290/360 = 0.807$
 lab^*tch and lab^*nch

D65: hue B
LCH*Ma: 37 66 290
rgb*Ma: 0.0 0.0 1.0
triangle lightness t^*



MRS18a; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
RMa	49.63	66.8	40.02	77.87	31
JMa	90.7	-7.27	93.19	93.48	94
GMa	52.11	-69.93	11.26	70.85	171
G50BMa	45.03	-36.65	-27.13	45.61	217
BMa	36.65	23.26	-62.27	66.49	290
B50RMa	34.94	57.27	-43.6	71.99	323
NMa	18.01	0.0	0.0	0.0	0
WMa	95.41	0.0	0.0	0.0	0
RCIE	39.92	58.67	27.97	64.99	25
JCIE	81.26	-2.91	71.56	71.62	92
GCIE	52.23	-42.47	13.58	44.6	162
BCIE	30.57	1.33	-46.48	46.51	272

%Regularity

$g^*_{H,rel} = 42$

$g^*_{C,rel} = 49$

1,00

0,75

$n^* = 0,00$

0,25

$n^* = 0,25$

blackness n^*

chromaticness c^*

$n^* = 1,0$

UE510-7, 5 step scales for constant CIELAB hue 305/360 = 0.847 (left)

5 step scales for constant CIELAB hue 290/360 = 0.807 (right)

BAM-test chart UE51; Colorimetric systems ORS18 & MRS18a input: `cmv0* setcmvcolor`
D65: 2 coordinate data of 5 step colour scales for 10 hues
output: `olv* setrgbcolor / w* setgray`

Input: Colorimetric Reflective System ORS18

for hue $h^* = lab^*h = 271/360 = 0.754$

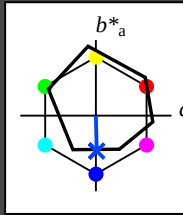
lab^*tch and lab^*nch

D65: hue B

LCH*Ma: 42 45 271

rgb*Ma: 0.0 0.49 1.0

triangle lightness t^*



% Gamut

$u^*_{rel} = 93$

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

relative Inform. Technology (IT)		
olvi3*	0.75	0.872
olvi4*	0.75	0.872
olvi5*	0.75	0.872
olvi6*	0.75	0.872
olvi7*	0.75	0.872
olvi8*	0.75	0.872
olvi9*	0.75	0.872
olvi10*	0.75	0.872
olvi11*	0.75	0.872
olvi12*	0.75	0.872
olvi13*	0.75	0.872
olvi14*	0.75	0.872
olvi15*	0.75	0.872
olvi16*	0.75	0.872
olvi17*	0.75	0.872
olvi18*	0.75	0.872
olvi19*	0.75	0.872
olvi20*	0.75	0.872
olvi21*	0.75	0.872
olvi22*	0.75	0.872
olvi23*	0.75	0.872
olvi24*	0.75	0.872
olvi25*	0.75	0.872
olvi26*	0.75	0.872
olvi27*	0.75	0.872
olvi28*	0.75	0.872
olvi29*	0.75	0.872
olvi30*	0.75	0.872
olvi31*	0.75	0.872
olvi32*	0.75	0.872
olvi33*	0.75	0.872
olvi34*	0.75	0.872
olvi35*	0.75	0.872
olvi36*	0.75	0.872
olvi37*	0.75	0.872
olvi38*	0.75	0.872
olvi39*	0.75	0.872
olvi40*	0.75	0.872
olvi41*	0.75	0.872
olvi42*	0.75	0.872
olvi43*	0.75	0.872
olvi44*	0.75	0.872
olvi45*	0.75	0.872
olvi46*	0.75	0.872
olvi47*	0.75	0.872
olvi48*	0.75	0.872
olvi49*	0.75	0.872
olvi50*	0.75	0.872
olvi51*	0.75	0.872
olvi52*	0.75	0.872
olvi53*	0.75	0.872
olvi54*	0.75	0.872
olvi55*	0.75	0.872
olvi56*	0.75	0.872
olvi57*	0.75	0.872
olvi58*	0.75	0.872
olvi59*	0.75	0.872
olvi60*	0.75	0.872
olvi61*	0.75	0.872
olvi62*	0.75	0.872
olvi63*	0.75	0.872
olvi64*	0.75	0.872
olvi65*	0.75	0.872
olvi66*	0.75	0.872
olvi67*	0.75	0.872
olvi68*	0.75	0.872
olvi69*	0.75	0.872
olvi70*	0.75	0.872
olvi71*	0.75	0.872
olvi72*	0.75	0.872
olvi73*	0.75	0.872
olvi74*	0.75	0.872
olvi75*	0.75	0.872
olvi76*	0.75	0.872
olvi77*	0.75	0.872
olvi78*	0.75	0.872
olvi79*	0.75	0.872
olvi80*	0.75	0.872
olvi81*	0.75	0.872
olvi82*	0.75	0.872
olvi83*	0.75	0.872
olvi84*	0.75	0.872
olvi85*	0.75	0.872
olvi86*	0.75	0.872
olvi87*	0.75	0.872
olvi88*	0.75	0.872
olvi89*	0.75	0.872
olvi90*	0.75	0.872
olvi91*	0.75	0.872
olvi92*	0.75	0.872
olvi93*	0.75	0.872
olvi94*	0.75	0.872
olvi95*	0.75	0.872
olvi96*	0.75	0.872
olvi97*	0.75	0.872
olvi98*	0.75	0.872
olvi99*	0.75	0.872
olvi100*	0.75	0.872

relative Inform. Technology (IT)		
olvi3*	0.75	0.872
olvi4*	0.75	0.872
olvi5*	0.75	0.872
olvi6*	0.75	0.872
olvi7*	0.75	0.872
olvi8*	0.75	0.872
olvi9*	0.75	0.872
olvi10*	0.75	0.872
olvi11*	0.75	0.872
olvi12*	0.75	0.872
olvi13*	0.75	0.872
olvi14*	0.75	0.872
olvi15*	0.75	0.872
olvi16*	0.75	0.872
olvi17*	0.75	0.872
olvi18*	0.75	0.872
olvi19*	0.75	0.872
olvi20*	0.75	0.872
olvi21*	0.75	0.872
olvi22*	0.75	0.872
olvi23*	0.75	0.872
olvi24*	0.75	0.872
olvi25*	0.75	0.872
olvi26*	0.75	0.872
olvi27*	0.75	0.872
olvi28*	0.75	0.872
olvi29*	0.75	0.872
olvi30*	0.75	0.872
olvi31*	0.75	0.872
olvi32*	0.75	0.872
olvi33*	0.75	0.872
olvi34*	0.75	0.872
olvi35*	0.75	0.872
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olvi37*	0.75	0.872
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olvi41*	0.75	0.872
olvi42*	0.75	0.872
olvi43*	0.75	0.872
olvi44*	0.75	0.872
olvi45*	0.75	0.872
olvi46*	0.75	0.872
olvi47*	0.75	0.872
olvi48*	0.75	0.872
olvi49*	0.75	0.872
olvi50*	0.75	0.872
olvi51*	0.75	0.872
olvi52*	0.75	0.872
olvi53*	0.75	0.872
olvi54*	0.75	0.872
olvi55*	0.75	0.872
olvi56*	0.75	0.872
olvi57*	0.75	0.872
olvi58*	0.75	0.872
olvi59*	0.75	0.872
olvi60*	0.75	0.872
olvi61*	0.75	0.872
olvi62*	0.75	0.872
olvi63*	0.75	0.872
olvi64*	0.75	0.872
olvi65*	0.75	0.872
olvi66*	0.75	0.872
olvi67*	0.75	0.872
olvi68*	0.75	0.872
olvi69*	0.75	0.872
olvi70*	0.75	0.872
olvi71*	0.75	0.872
olvi72*	0.75	0.872
olvi73*	0.75	0.872
olvi74*	0.75	0.872
olvi75*	0.75	0.872
olvi76*	0.75	0.872
olvi77*	0.75	0.872
olvi78*	0.75	0.872
olvi79*	0.75	0.872
olvi80*	0.75	0.872
olvi81*	0.75	0.872
olvi82*	0.75	0.872
olvi83*	0.75	0.872
olvi84*	0.75	0.872
olvi85*	0.75	0.872
olvi86*	0.75	0.872
olvi87*	0.75	0.872
olvi88*	0.75	0.872
olvi89*	0.75	0.872
olvi90*	0.75	0.872
olvi91*	0.75	0.872
olvi92*	0.75	0.872
olvi93*	0.75	0.872
olvi94*	0.75	0.872
olvi95*	0.75	0.872
olvi96*	0.75	0.872
olvi97*	0.75	0.872
olvi98*	0.75	0.872
olvi99*	0.75	0.872
olvi100*	0.75	0.872

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olvi3*	0.75	0.872
olvi4*	0.75	0.872
olvi5*	0.75	0.872
olvi6*	0.75	0.872
olvi7*	0.75	0.872
olvi8*	0.75	0.872
olvi9*	0.75	0.872
olvi10*	0.75	0.872
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olvi55*	0.75	0.872