

Input: Colorimetric Offset Reflective System ORS18

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

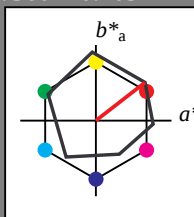
$lab \cdot tch$ and $lab \cdot nch$

D50: hue O

LCH*Ma: 48 82 38

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



ORS18; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.05	50.54	82.38	38
Y _{Ma}	91.0	-4.72	90.58	90.7	93
L _{Ma}	50.9	-63.18	34.98	72.22	151
C _{Ma}	56.99	-39.34	-48.1	62.16	231
V _{Ma}	25.72	30.89	-44.4	54.09	305
M _{Ma}	49.99	75.76	-4.64	75.9	356
N _{Ma}	18.09	0.0	0.0	0.0	0
W _{Ma}	95.46	0.0	0.0	0.0	0
RCIE	41.88	61.66	30.69	68.88	26
JCIE	81.97	2.02	67.79	67.82	88
GCIE	51.62	-41.32	9.74	42.46	167
BCIE	29.2	-5.79	-49.61	49.96	263

%Regularity

$g^*_{H,rel} = 65$

$g^*_{C,rel} = 60$

relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*Lab	95.46	-39.34	4.69
LAB*Lab	95.46	0.0	0.0
LAB*Lab	99.99	0.01	-

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0

relative Natural Colour (NC)

lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	1.0	0.75	0.75	(1.0)
olv3*	0.0	0.25	0.25	(0.0)
olv4*	1.0	0.75	0.75	(1.0)
olv4*	0.0	0.25	0.25	(0.0)
olv5*	1.0	0.75	0.75	(1.0)
olv5*	0.0	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*Lab	83.58	16.02	16.54
LAB*Lab	83.58	16.26	12.63
LAB*Lab	97.5	20.59	37.84

relative CIELAB lab*

lab*lab	0.846	0.197	0.153
lab*lab	0.875	0.25	0.105
lab*lab	0.0	0.25	0.105
lab*lab	0.0	0.25	0.105

relative Natural Colour (NC)

lab*lab	0.846	0.24	0.071
lab*lab	0.875	0.25	0.046
lab*lab	0.0	0.25	0.18
lab*lab	0.0	0.25	0.18

relative Inform. Technology (IT)

olv3*	1.0	0.5	0.5	(1.0)
olv3*	0.0	0.5	0.5	(0.0)
olv4*	1.0	0.5	0.5	(1.0)
olv4*	0.0	0.5	0.5	(0.0)
olv5*	1.0	0.5	0.5	(1.0)
olv5*	0.0	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*Lab	71.7	32.45	28.38
LAB*Lab	71.7	32.52	25.26
LAB*Lab	75.0	41.18	37.84

relative CIELAB lab*

lab*lab	0.693	0.395	0.307
lab*lab	0.75	0.5	0.105
lab*lab	0.0	0.5	0.105
lab*lab	0.0	0.5	0.105

relative Natural Colour (NC)

lab*lab	0.693	0.479	0.143
lab*lab	0.75	0.5	0.046
lab*lab	0.0	0.5	0.18
lab*lab	0.0	0.5	0.18

relative Inform. Technology (IT)

olv3*	1.0	0.25	0.25	(1.0)
olv3*	0.0	0.75	0.75	(0.0)
olv4*	1.0	0.25	0.25	(1.0)
olv4*	0.0	0.75	0.75	(0.0)
olv5*	1.0	0.25	0.25	(1.0)
olv5*	0.0	0.75	0.75	(0.0)

standard and adapted CIELAB

LAB*Lab	59.82	48.88	40.22
LAB*Lab	59.82	48.78	37.9
LAB*Lab	62.5	61.78	37.84

relative CIELAB lab*

lab*lab	0.539	0.592	0.46
lab*lab	0.625	0.75	0.105
lab*lab	0.0	0.75	0.105
lab*lab	0.0	0.75	0.105

relative Natural Colour (NC)

lab*lab	0.539	0.719	0.214
lab*lab	0.625	0.75	0.046
lab*lab	0.0	0.75	0.18
lab*lab	0.0	0.75	0.18

relative Inform. Technology (IT)

olv3*	1.0	0.0	0.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	0.0	0.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	1.0	0.0	0.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*Lab	47.94	65.3	52.06
LAB*Lab	47.94	65.04	50.53
LAB*Lab	50.0	82.36	37.84

relative CIELAB lab*

lab*lab	0.388	0.79	0.613
lab*lab	0.5	1.0	0.105
lab*lab	0.0	1.0	0.105
lab*lab	0.0	1.0	0.105

relative Natural Colour (NC)

lab*lab	0.388	0.958	0.285
lab*lab	0.5	1.0	0.046
lab*lab	0.0	1.0	0.18
lab*lab	0.0	1.0	0.18

relative Inform. Technology (IT)

olv3*	0.5	0.5	0.5	(1.0)
olv3*	0.0	0.5	0.5	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*Lab	47.94	65.3	52.06
LAB*Lab	47.94	65.04	50.53
LAB*Lab	50.0	82.36	37.84

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.5	0.0	0.0
lab*lab	0.5	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	0.25	0.25	0.25	(1.0)
olv3*	0.0	0.75	0.75	(0.0)
olv4*	1.0	0.75	0.75	(1.0)
olv4*	0.0	0.25	0.25	(0.0)
olv5*	1.0	0.75	0.75	(1.0)
olv5*	0.0	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*Lab	37.41	19.84	15.75
LAB*Lab	37.41	19.84	15.75
LAB*Lab	37.5	25.33	38.44

relative CIELAB lab*

lab*lab	0.392	0.196	0.155
lab*lab	0.375	0.25	0.107
lab*lab	0.0	0.25	0.107
lab*lab	0.0	0.25	0.107

relative Natural Colour (NC)

lab*lab	0.392	0.24	0.071
lab*lab	0.375	0.25	0.046
lab*lab	0.0	0.25	0.18
lab*lab	0.0	0.25	0.18

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*Lab	47.94	65.3	52.06
LAB*Lab	47.94	65.04	50.53
LAB*Lab	50.0	82.36	37.84

relative CIELAB lab*

lab*lab	0.392	0.196	0.155
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lab*lab	0.0	0.25	0.107

relative Natural Colour (NC)

lab*lab	0.392	0.24	0.071
lab*lab	0.375	0.25	0.046
lab*lab	0.0	0.25	0.18
lab*lab	0.0	0.25	0.18

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.0	0.25	0.25	(0.0)
olv4*	1.0	0.75	0.75	(1.0)
olv4*	0.0	0.25	0.25	(0.0)
olv5*	1.0	0.75	0.75	(1.0)
olv5*	0.0	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*Lab	40.65	59.51	47.24
LAB*Lab	40.65	59.51	47.24
LAB*Lab	37.5	75.98	38.44

relative CIELAB lab*

lab*lab	0.426	0.587	0.466
lab*lab	0.375	0.75	0.107
lab*lab	0.0	0.75	0.107
lab*lab	0.0	0.75	0.107

relative Natural Colour (NC)

lab*lab	0.426	0.719	0.213
lab*lab	0.375	0.75	0.046
lab*lab	0.0	0.75	0.18
lab*lab	0.0	0.75	0.18

relative Inform. Technology (IT)

olv3*	0.25	0.25	0.25	(1.0)
olv3*	0.0	0.75	0.75	(0.0)
olv4*	1.0	0.75	0.75	(1.0)
olv4*	0.0	0.25	0.25	(0.0)
olv5*	1.0	0.75	0.75	(1.0)
olv5*	0.0	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*Lab	40.65	59.51	47.24
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relative Natural Colour (NC)

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lab*lab	0.375	0.75	0.046
lab*lab	0.0	0.75	0.18
lab*lab	0.0	0.75	0.18

relative Inform. Technology (IT)

olv3*	0.25	0.25	0.25	(1.0)
olv3*	0.0	0.75	0.75	(0.0)
olv4*	1.0	0.75	0.75	(1.0)
olv4*	0.0	0.25	0.25	(0.0)
olv5*	1.0	0.75	0.75	(1.0)
olv5*	0.0	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*Lab	37.41	19.84	15.75
LAB*Lab	37.41	19.84	15.75
LAB*Lab	37.5	25.33	38.44

relative CIELAB lab*

lab*lab	0.392	0.196	0.155
lab*lab	0.375	0.25	0.107
lab*lab	0.0	0.25	0.107
lab*lab	0.0	0.25	0.107

relative Natural Colour (NC)

lab*lab	0.392	0.24	0.071
lab*lab	0.375	0.25	0.046
lab*lab	0.0	0.25	0.18
lab*lab	0.0	0.25	0.18

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*Lab	47.94	65.3	52.06
LAB*Lab	47.94	65.04	50.53
LAB*Lab	50.0	82.36	37.84

relative CIELAB lab*

lab*lab	0.392	0.196	0.155
lab*lab	0.375	0.25	0.107
lab*lab	0.0	0.25	0.107
lab*lab	0.0	0.25	0.107

relative Natural Colour (NC)

lab*lab	0.392	0.24	0.071
lab*lab	0.375	0.25	0.046
lab*lab	0.0	0.25	0.18
lab*lab	0.0	0.25	0.18

relative Inform. Technology (IT)

olv3*	0.25	0.25	0.25	(1.0)
olv3*	0.0	0.75	0.75	(0.0)
olv4*	1.0	0.75	0.75	(1.0)
olv4*	0.0	0.25	0.25	(0.0)
olv5*	1.0	0.75	0.75	(1.0)
olv5*	0.0	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*Lab	40.65	59.51	47.24
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LAB*Lab	37.5	75.98	38.44

relative CIELAB lab*

lab*lab	0.426	0.587	0.466
lab*lab	0.375	0.75	0.107
lab*lab	0.0	0.75	0.107
lab*lab	0.0	0.75	0.107

relative Natural Colour (NC)

lab*lab	0.426	0.719	0.213
lab*lab	0.375	0.75	0.046
lab*lab	0.0	0.75	0.18
lab*lab	0.0	0.75	0.18

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*Lab	47.94	65.3	52.06
LAB*Lab	47.94	65.04	50.53
LAB*Lab	50.0	82.36	37.84

relative CIELAB lab*

lab*lab	0.
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Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab \cdot h = 93/360 = 0.258$

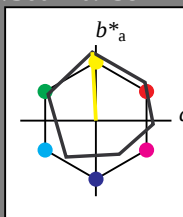
$lab \cdot tch$ and $lab \cdot nch$

D50: hue Y

LCH*Ma: 91 91 93

olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 94$

ORS18; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.05	50.54	82.38	38
Y _{Ma}	91.0	-4.72	90.58	90.7	93
L _{Ma}	50.9	-63.18	34.98	72.22	151
C _{Ma}	56.99	-39.34	-48.1	62.16	231
V _{Ma}	25.72	30.89	-44.4	54.09	305
M _{Ma}	49.99	75.76	-4.64	75.9	356
N _{Ma}	18.09	0.0	0.0	0.0	0
W _{Ma}	95.46	0.0	0.0	0.0	0
R _{CIE}	41.88	61.66	30.69	68.88	26
J _{CIE}	81.97	2.02	67.79	67.82	88
G _{CIE}	51.62	-41.32	9.74	42.46	167
B _{CIE}	29.2	-5.79	-49.61	49.96	263

%Regularity

$g^*_{H,rel} = 65$

$g^*_{C,rel} = 60$

relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.46	-39.34	4.69
LAB*LAB	95.46	0.0	0.0
LAB*LAB	99.99	0.0	0.0

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0
lab*lab	1.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	1.0	0.0	0.0
lab*trj	1.0	0.0	0.0
lab*trj	1.0	0.0	0.0
lab*trj	1.0	0.0	0.0
lab*trj	1.0	0.0	0.0
lab*trj	1.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	94.34	-1.17	22.64
LAB*LAB	94.34	-1.17	22.64
LAB*LAB	94.34	-1.17	22.64

relative CIELAB lab*

lab*lab	0.985	-0.012	0.25
lab*lab	0.875	0.25	0.258
lab*lab	0.875	0.25	0.258
lab*lab	0.875	0.25	0.258
lab*lab	0.875	0.25	0.258
lab*lab	0.875	0.25	0.258

relative Natural Colour (NC)

lab*trj	0.985	-0.022	0.249
lab*trj	0.875	0.25	0.265
lab*trj	0.875	0.25	0.265
lab*trj	0.875	0.25	0.265
lab*trj	0.875	0.25	0.265
lab*trj	0.875	0.25	0.265

relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	93.22	-2.72	49.83
LAB*LAB	93.22	-2.72	49.83
LAB*LAB	93.22	-2.72	49.83

relative CIELAB lab*

lab*lab	0.971	-0.025	0.499
lab*lab	0.75	0.5	0.258
lab*lab	0.75	0.5	0.258
lab*lab	0.75	0.5	0.258
lab*lab	0.75	0.5	0.258
lab*lab	0.75	0.5	0.258

relative Natural Colour (NC)

lab*trj	0.971	-0.046	0.498
lab*trj	0.75	0.5	0.265
lab*trj	0.75	0.5	0.265
lab*trj	0.75	0.5	0.265
lab*trj	0.75	0.5	0.265
lab*trj	0.75	0.5	0.265

relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	92.11	-3.89	72.4
LAB*LAB	92.11	-3.89	72.4
LAB*LAB	92.11	-3.89	72.4

relative CIELAB lab*

lab*lab	0.957	-0.038	0.749
lab*lab	0.625	0.75	0.258
lab*lab	0.625	0.75	0.258
lab*lab	0.625	0.75	0.258
lab*lab	0.625	0.75	0.258
lab*lab	0.625	0.75	0.258

relative Natural Colour (NC)

lab*trj	0.957	-0.069	0.747
lab*trj	0.625	0.75	0.265
lab*trj	0.625	0.75	0.265
lab*trj	0.625	0.75	0.265
lab*trj	0.625	0.75	0.265
lab*trj	0.625	0.75	0.265

relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	90.99	-5.06	94.96
LAB*LAB	90.99	-5.06	94.96
LAB*LAB	90.99	-5.06	94.96

relative CIELAB lab*

lab*lab	0.942	-0.051	0.998
lab*lab	0.5	1.0	0.258
lab*lab	0.5	1.0	0.258
lab*lab	0.5	1.0	0.258
lab*lab	0.5	1.0	0.258
lab*lab	0.5	1.0	0.258

relative Natural Colour (NC)

lab*trj	0.942	-0.093	0.995
lab*trj	0.5	1.0	0.265
lab*trj	0.5	1.0	0.265
lab*trj	0.5	1.0	0.265
lab*trj	0.5	1.0	0.265
lab*trj	0.5	1.0	0.265

relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	72.77	-3.62	71.11
LAB*LAB	72.77	-3.62	71.11
LAB*LAB	72.77	-3.62	71.11

relative CIELAB lab*

lab*lab	0.957	-0.038	0.749
lab*lab	0.625	0.75	0.258
lab*lab	0.625	0.75	0.258
lab*lab	0.625	0.75	0.258
lab*lab	0.625	0.75	0.258
lab*lab	0.625	0.75	0.258

relative Natural Colour (NC)

lab*trj	0.957	-0.069	0.747
lab*trj	0.625	0.75	0.265
lab*trj	0.625	0.75	0.265
lab*trj	0.625	0.75	0.265
lab*trj	0.625	0.75	0.265
lab*trj	0.625	0.75	0.265

relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	44.55	-2.19	47.25
LAB*LAB	44.55	-2.19	47.25
LAB*LAB	44.55	-2.19	47.25

relative CIELAB lab*

lab*lab	0.707	-0.038	0.749
lab*lab	0.375	0.75	0.258
lab*lab	0.375	0.75	0.258
lab*lab	0.375	0.75	0.258
lab*lab	0.375	0.75	0.258
lab*lab	0.375	0.75	0.258

relative Natural Colour (NC)

lab*trj	0.707	-0.069	0.747
lab*trj	0.375	0.75	0.265
lab*trj	0.375	0.75	0.265
lab*trj	0.375	0.75	0.265
lab*trj	0.375	0.75	0.265
lab*trj	0.375	0.75	0.265

relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	23.87	0.0	0.0
LAB*LAB	23.87	0.0	0.0
LAB*LAB	23.87	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0
lab*lab	0.25	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.25	0.0	0.0
lab*trj	0.25	0.0	0.0
lab*trj	0.25	0.0	0.0
lab*trj	0.25	0.0	0.0
lab*trj	0.25	0.0	0.0
lab*trj	0.25	0.0	0.0

relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0
LAB*LAB	0.0	0.0	0.0
LAB*LAB	0.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0
LAB*LAB	0.0	0.0	0.0
LAB*LAB	0.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0

relative Inform. Technology (IT)

olv3*	1.0	1.0	1.0	(1.0)
olv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0
LAB*LAB	0.0	0.0	0.0
LAB*LAB	0.0	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0

relative Natural Colour (NC)

lab*trj	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0
lab*trj	0.0	0.0	0.0

OE500-7, 5 step scales for constant CIELAB hue 93/360 = 0.258 (left)

5 step scales for constant CIELAB hue 100/360 = 0.277 (right)

BAM-test chart QE50; Colorimetric systems ORS18 & ORS18

D50: 2 coordinate data of 5 step colour scales for 10 hues

input: $cmy0^* \text{ setcmykcolor}$

output: Startup (S) data dependend

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 151/360 = 0.42$

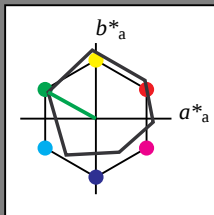
lab^*tch and lab^*nch

D50: hue L

LCH*Ma: 51 72 151

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.05	50.54	82.38	38
Y _{Ma}	91.0	-4.72	90.58	90.7	93
L _{Ma}	50.9	-63.18	34.98	72.22	151
C _{Ma}	56.99	-39.34	-48.1	62.16	231
V _{Ma}	25.72	30.89	-44.4	54.09	305
M _{Ma}	49.99	75.76	-4.64	75.9	356
N _{Ma}	18.09	0.0	0.0	0.0	0
W _{Ma}	95.46	0.0	0.0	0.0	0
R _{CIE}	41.88	61.66	30.69	68.88	26
J _{CIE}	81.97	2.02	67.79	67.82	88
G _{CIE}	51.62	-41.32	9.74	42.46	167
B _{CIE}	29.2	-5.79	-49.61	49.96	263

%Regularity

$g^*_{H,rel} = 65$

$g^*_{C,rel} = 60$

relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 1.0 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 95.46 -39.34 4.69
LAB*LAB 95.46 0.0 0.0
LAB*LAB 99.99 0.01 -

relative Inform. Technology (IT)
olv3* 0.75 1.0 0.75 (1.0)
cmyn3* 0.25 0.0 0.25 (0.0)
olv4* 1.0 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 84.32 -16.03 12.7
LAB*LAB 84.32 -15.78 8.74
LAB*LAB 87.5 18.05 15.103

relative Inform. Technology (IT)
olv3* 0.5 1.0 0.5 (1.0)
cmyn3* 0.5 0.0 0.5 (0.0)
olv4* 1.0 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 73.18 -31.58 20.7
LAB*LAB 73.18 -31.58 17.49
LAB*LAB 75.0 36.1 15.103

relative Inform. Technology (IT)
olv3* 0.25 1.0 0.25 (1.0)
cmyn3* 0.75 0.0 0.75 (0.0)
olv4* 1.0 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 62.04 -47.31 28.7
LAB*LAB 62.04 -47.31 26.23
LAB*LAB 62.5 54.16 15.103

relative Inform. Technology (IT)
olv3* 0.0 1.0 0.0 (1.0)
cmyn3* 1.0 0.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 50.9 -62.95 36.7
LAB*LAB 50.9 -63.16 34.97
LAB*LAB 50.0 72.21 15.103

relative Inform. Technology (IT)
olv3* 0.0 0.75 0.0 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olv4* 1.0 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 42.74 -47.04 27.41
LAB*LAB 42.74 -47.04 25.75
LAB*LAB 42.5 54.16 15.103

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.0 (1.0)
cmyn3* 0.5 0.25 0.5 (0.0)
olv4* 1.0 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 37.51 -46.55 36.3
LAB*LAB 37.51 -46.55 34.97
LAB*LAB 37.5 54.16 15.103

relative Inform. Technology (IT)
olv3* 0.0 0.25 0.0 (1.0)
cmyn3* 0.25 0.125 0.25 (0.0)
olv4* 1.0 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 34.38 -46.55 36.3
LAB*LAB 34.38 -46.55 34.97
LAB*LAB 34.38 54.16 15.103

relative Inform. Technology (IT)
olv3* 0.0 0.125 0.0 (1.0)
cmyn3* 0.125 0.0625 0.125 (0.0)
olv4* 1.0 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 31.25 -46.55 36.3
LAB*LAB 31.25 -46.55 34.97
LAB*LAB 31.25 54.16 15.103

relative Inform. Technology (IT)
olv3* 0.0 0.0625 0.0 (1.0)
cmyn3* 0.0625 0.03125 0.0625 (0.0)
olv4* 1.0 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 28.125 -46.55 36.3
LAB*LAB 28.125 -46.55 34.97
LAB*LAB 28.125 54.16 15.103

relative Inform. Technology (IT)
olv3* 0.0 0.03125 0.0 (1.0)
cmyn3* 0.03125 0.015625 0.03125 (0.0)
olv4* 1.0 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 25.0 -46.55 36.3
LAB*LAB 25.0 -46.55 34.97
LAB*LAB 25.0 54.16 15.103

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 37.44 -37.44 0.62
LAB*LAB 37.44 0.0 0.0
LAB*LAB 37.44 0.01 -

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.0 (1.0)
cmyn3* 0.5 0.25 0.5 (0.0)
olv4* 1.0 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 34.38 -46.55 36.3
LAB*LAB 34.38 -46.55 34.97
LAB*LAB 34.38 54.16 15.103

relative Inform. Technology (IT)
olv3* 0.0 0.25 0.0 (1.0)
cmyn3* 0.25 0.125 0.25 (0.0)
olv4* 1.0 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 31.25 -46.55 36.3
LAB*LAB 31.25 -46.55 34.97
LAB*LAB 31.25 54.16 15.103

relative Inform. Technology (IT)
olv3* 0.0 0.125 0.0 (1.0)
cmyn3* 0.125 0.0625 0.125 (0.0)
olv4* 1.0 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 28.125 -46.55 36.3
LAB*LAB 28.125 -46.55 34.97
LAB*LAB 28.125 54.16 15.103

relative Inform. Technology (IT)
olv3* 0.0 0.0625 0.0 (1.0)
cmyn3* 0.0625 0.03125 0.0625 (0.0)
olv4* 1.0 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 25.0 -46.55 36.3
LAB*LAB 25.0 -46.55 34.97
LAB*LAB 25.0 54.16 15.103

relative Inform. Technology (IT)
olv3* 0.0 0.03125 0.0 (1.0)
cmyn3* 0.03125 0.015625 0.03125 (0.0)
olv4* 1.0 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 22.5 -46.55 36.3
LAB*LAB 22.5 -46.55 34.97
LAB*LAB 22.5 54.16 15.103

relative Inform. Technology (IT)
olv3* 0.0 0.015625 0.0 (1.0)
cmyn3* 0.015625 0.0078125 0.015625 (0.0)
olv4* 1.0 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 20.0 -46.55 36.3
LAB*LAB 20.0 -46.55 34.97
LAB*LAB 20.0 54.16 15.103

relative Inform. Technology (IT)
olv3* 0.0 0.0078125 0.0 (1.0)
cmyn3* 0.0078125 0.00390625 0.0078125 (0.0)
olv4* 1.0 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 17.5 -46.55 36.3
LAB*LAB 17.5 -46.55 34.97
LAB*LAB 17.5 54.16 15.103

relative Inform. Technology (IT)
olv3* 0.0 0.00390625 0.0 (1.0)
cmyn3* 0.00390625 0.001953125 0.00390625 (0.0)
olv4* 1.0 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 15.0 -46.55 36.3
LAB*LAB 15.0 -46.55 34.97
LAB*LAB 15.0 54.16 15.103

relative Inform. Technology (IT)
olv3* 0.0 0.001953125 0.0 (1.0)
cmyn3* 0.001953125 0.0009765625 0.001953125 (0.0)
olv4* 1.0 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 12.5 -46.55 36.3
LAB*LAB 12.5 -46.55 34.97
LAB*LAB 12.5 54.16 15.103

relative Inform. Technology (IT)
olv3* 0.0 0.0009765625 0.0 (1.0)
cmyn3* 0.0009765625 0.00048828125 0.0009765625 (0.0)
olv4* 1.0 1.0 1.0 1.0
cmyn4* 0.0 0.0 0.0 0.0
standard and adapted CIELAB
LAB*LAB 10.0 -46.55 36.3
LAB*LAB 10.0 -46.55 34.97
LAB*LAB 10.0 54.16 15.103

OE500-7, 5 step scales for constant CIELAB hue 151/360 = 0.42 (left)

5 step scales for constant CIELAB hue 140/360 = 0.389 (right)

BAM-test chart QE50; Colorimetric systems ORS18 & ORS18

input: $cmY0^* setcmykcolor$

D50: 2 coordinate data of 5 step colour scales for 10 hues

output: Startup (S) data dependend

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 231/360 = 0.641$

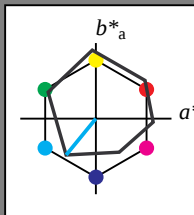
lab^*tch and lab^*nch

D50: hue C

LCH*Ma: 57 62 231

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



ORS18; adapted (a) CIELAB data

	$L^*=L_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.05	50.54	82.38	38
Y _{Ma}	91.0	-4.72	90.58	90.7	93
L _{Ma}	50.9	-63.18	34.98	72.22	151
C _{Ma}	56.99	-39.34	-48.1	62.16	231
V _{Ma}	25.72	30.89	-44.4	54.09	305
M _{Ma}	49.99	75.76	-4.64	75.9	356
N _{Ma}	18.09	0.0	0.0	0.0	0
W _{Ma}	95.46	0.0	0.0	0.0	0
RCIE	41.88	61.66	30.69	68.88	26
JCIE	81.97	2.02	67.79	67.82	88
GCIE	51.62	-41.32	9.74	42.46	167
BCIE	29.2	-5.79	-49.61	49.96	263

%Regularity

$g^*_{H,rel} = 65$

$g^*_{C,rel} = 60$

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	1.0	1.0	1.0
olv4*	0.25	0.25	0.25	0.0	0.0	0.0
olv5*	0.0	0.0	0.0	0.0	0.0	0.0
olv6*	0.0	0.0	0.0	0.0	0.0	0.0
olv7*	0.0	0.0	0.0	0.0	0.0	0.0
olv8*	0.0	0.0	0.0	0.0	0.0	0.0
olv9*	0.0	0.0	0.0	0.0	0.0	0.0
olv10*	0.0	0.0	0.0	0.0	0.0	0.0
olv11*	0.0	0.0	0.0	0.0	0.0	0.0
olv12*	0.0	0.0	0.0	0.0	0.0	0.0
olv13*	0.0	0.0	0.0	0.0	0.0	0.0
olv14*	0.0	0.0	0.0	0.0	0.0	0.0
olv15*	0.0	0.0	0.0	0.0	0.0	0.0
olv16*	0.0	0.0	0.0	0.0	0.0	0.0
olv17*	0.0	0.0	0.0	0.0	0.0	0.0
olv18*	0.0	0.0	0.0	0.0	0.0	0.0
olv19*	0.0	0.0	0.0	0.0	0.0	0.0
olv20*	0.0	0.0	0.0	0.0	0.0	0.0
olv21*	0.0	0.0	0.0	0.0	0.0	0.0
olv22*	0.0	0.0	0.0	0.0	0.0	0.0
olv23*	0.0	0.0	0.0	0.0	0.0	0.0
olv24*	0.0	0.0	0.0	0.0	0.0	0.0
olv25*	0.0	0.0	0.0	0.0	0.0	0.0
olv26*	0.0	0.0	0.0	0.0	0.0	0.0
olv27*	0.0	0.0	0.0	0.0	0.0	0.0
olv28*	0.0	0.0	0.0	0.0	0.0	0.0
olv29*	0.0	0.0	0.0	0.0	0.0	0.0
olv30*	0.0	0.0	0.0	0.0	0.0	0.0
olv31*	0.0	0.0	0.0	0.0	0.0	0.0
olv32*	0.0	0.0	0.0	0.0	0.0	0.0
olv33*	0.0	0.0	0.0	0.0	0.0	0.0
olv34*	0.0	0.0	0.0	0.0	0.0	0.0
olv35*	0.0	0.0	0.0	0.0	0.0	0.0
olv36*	0.0	0.0	0.0	0.0	0.0	0.0
olv37*	0.0	0.0	0.0	0.0	0.0	0.0
olv38*	0.0	0.0	0.0	0.0	0.0	0.0
olv39*	0.0	0.0	0.0	0.0	0.0	0.0
olv40*	0.0	0.0	0.0	0.0	0.0	0.0
olv41*	0.0	0.0	0.0	0.0	0.0	0.0
olv42*	0.0	0.0	0.0	0.0	0.0	0.0
olv43*	0.0	0.0	0.0	0.0	0.0	0.0
olv44*	0.0	0.0	0.0	0.0	0.0	0.0
olv45*	0.0	0.0	0.0	0.0	0.0	0.0
olv46*	0.0	0.0	0.0	0.0	0.0	0.0
olv47*	0.0	0.0	0.0	0.0	0.0	0.0
olv48*	0.0	0.0	0.0	0.0	0.0	0.0
olv49*	0.0	0.0	0.0	0.0	0.0	0.0
olv50*	0.0	0.0	0.0	0.0	0.0	0.0
olv51*	0.0	0.0	0.0	0.0	0.0	0.0
olv52*	0.0	0.0	0.0	0.0	0.0	0.0
olv53*	0.0	0.0	0.0	0.0	0.0	0.0
olv54*	0.0	0.0	0.0	0.0	0.0	0.0
olv55*	0.0	0.0	0.0	0.0	0.0	0.0
olv56*	0.0	0.0	0.0	0.0	0.0	0.0
olv57*	0.0	0.0	0.0	0.0	0.0	0.0
olv58*	0.0	0.0	0.0	0.0	0.0	0.0
olv59*	0.0	0.0	0.0	0.0	0.0	0.0
olv60*	0.0	0.0	0.0	0.0	0.0	0.0
olv61*	0.0	0.0	0.0	0.0	0.0	0.0
olv62*	0.0	0.0	0.0	0.0	0.0	0.0
olv63*	0.0	0.0	0.0	0.0	0.0	0.0
olv64*	0.0	0.0	0.0	0.0	0.0	0.0
olv65*	0.0	0.0	0.0	0.0	0.0	0.0
olv66*	0.0	0.0	0.0	0.0	0.0	0.0
olv67*	0.0	0.0	0.0	0.0	0.0	0.0
olv68*	0.0	0.0	0.0	0.0	0.0	0.0
olv69*	0.0	0.0	0.0	0.0	0.0	0.0
olv70*	0.0	0.0	0.0	0.0	0.0	0.0
olv71*	0.0	0.0	0.0	0.0	0.0	0.0
olv72*	0.0	0.0	0.0	0.0	0.0	0.0
olv73*	0.0	0.0	0.0	0.0	0.0	0.0
olv74*	0.0	0.0	0.0	0.0	0.0	0.0
olv75*	0.0	0.0	0.0	0.0	0.0	0.0
olv76*	0.0	0.0	0.0	0.0	0.0	0.0
olv77*	0.0	0.0	0.0	0.0	0.0	0.0
olv78*	0.0	0.0	0.0	0.0	0.0	0.0
olv79*	0.0	0.0	0.0	0.0	0.0	0.0
olv80*	0.0	0.0	0.0	0.0	0.0	0.0
olv81*	0.0	0.0	0.0	0.0	0.0	0.0
olv82*	0.0	0.0	0.0	0.0	0.0	0.0
olv83*	0.0	0.0	0.0	0.0	0.0	0.0
olv84*	0.0	0.0	0.0	0.0	0.0	0.0
olv85*	0.0	0.0	0.0	0.0	0.0	0.0
olv86*	0.0	0.0	0.0	0.0	0.0	0.0
olv87*	0.0	0.0	0.0	0.0	0.0	0.0
olv88*	0.0	0.0	0.0	0.0	0.0	0.0
olv89*	0.0	0.0	0.0	0.0	0.0	0.0
olv90*	0.0	0.0	0.0	0.0	0.0	0.0
olv91*	0.0	0.0	0.0	0.0	0.0	0.0
olv92*	0.0	0.0	0.0	0.0	0.0	0.0
olv93*	0.0	0.0	0.0	0.0	0.0	0.0
olv94*	0.0	0.0	0.0	0.0	0.0	0.0
olv95*	0.0	0.0	0.0	0.0	0.0	0.0
olv96*	0.0	0.0	0.0	0.0	0.0	0.0
olv97*	0.0	0.0	0.0	0.0	0.0	0.0
olv98*	0.0	0.0	0.0	0.0	0.0	0.0
olv99*	0.0	0.0	0.0	0.0	0.0	0.0
olv100*	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)				
olv3*	0.75	1.0	1.0	(1.0)
cmyn3*	0.25	0.0	0.0	(0.0)
olv4*	0.75	1.0	1.0	1.0
cmyn4*	0.25	0.0	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	85.84	-10.09	-7.96	
LAB*LAB _a	85.84	-9.82	-12.0	

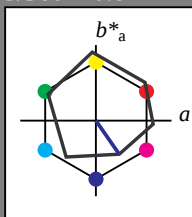
Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 305/360 = 0.847$ lab^*tch and lab^*nch

D50: hue V

LCH*Ma: 26 54 305

olv*Ma: 0.0 0.0 1.0

triangle lightness t^* 

%Gamut

 $u^*_{rel} = 94$

ORS18; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.05	50.54	82.38	38
Y _{Ma}	91.0	-4.72	90.58	90.7	93
L _{Ma}	50.9	-63.18	34.98	72.22	151
C _{Ma}	56.99	-39.34	-48.1	62.16	231
V _{Ma}	25.72	30.89	-44.4	54.09	305
M _{Ma}	49.99	75.76	-4.64	75.9	356
N _{Ma}	18.09	0.0	0.0	0.0	0
W _{Ma}	95.46	0.0	0.0	0.0	0
R _{CIE}	41.88	61.66	30.69	68.88	26
J _{CIE}	81.97	2.02	67.79	67.82	88
G _{CIE}	51.62	-41.32	9.74	42.46	167
B _{CIE}	29.2	-5.79	-49.61	49.96	263

%Regularity

 $g^*_{H,rel} = 65$ $g^*_{C,rel} = 60$

relative Inform. Technology (IT)

olv3* 1.0 1.0 1.0 (1.0)

cmyn3* 0.0 0.0 0.0 (0.0)

olv4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 95.46 -0.39 4.69

LAB*LABa 95.46 0.0 0.0

LAB*LABb 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)

olv3* 0.75 0.75 0.75 (1.0)

cmyn3* 0.25 0.25 0.25 (0.0)

olv4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 76.12 -0.12 3.4

LAB*LABa 76.12 0.0 0.0

LAB*LABb 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)

olv3* 0.5 0.5 0.5 (0.0)

cmyn3* 0.5 0.5 0.5 (0.0)

olv4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 56.78 0.0 2.11

LAB*LABa 56.78 0.0 0.0

LAB*LABb 50.0 0.01

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)

olv3* 0.25 0.25 0.25 (1.0)

cmyn3* 0.75 0.75 0.75 (0.0)

olv4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 37.18 0.0 0.82

LAB*LABa 37.18 0.0 0.0

LAB*LABb 25.0 0.01

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)

olv3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olv4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 18.1 0.0 0.46

LAB*LABa 18.1 0.0 0.0

LAB*LABb 0.0 0.01

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)

olv3* 0.0 0.0 0.0 (1.0)

cmyn3* 1.0 1.0 1.0 (0.0)

olv4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 0.0 0.0 0.0

LAB*LABa 0.0 0.0 0.0

LAB*LABb 0.0 0.01

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

 $u^*_{rel} = 94$

relative Inform. Technology (IT)

olv3* 0.75 0.75 0.75 (1.0)

cmyn3* 0.25 0.25 0.25 (0.0)

olv4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 78.02 7.56 -7.55

LAB*LABa 78.02 7.72 -11.09

LAB*LABb 87.5 13.52 304.82

relative CIELAB lab*

lab*lab 0.75 0.143 -0.204

lab*tch 0.875 0.25 0.847

lab*nch 0.0 0.25 0.847

relative Natural Colour (NC)

lab*trj 0.775 0.126 -0.215

lab*tce 0.875 0.25 0.834

lab*nce 0.0 0.25 0.834

relative Inform. Technology (IT)

olv3* 0.5 0.5 0.5 (1.0)

cmyn3* 0.5 0.5 0.5 (0.0)

olv4* 0.75 0.75 1.0 (0.0)

cmyn4* 0.25 0.25 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 60.59 15.52 -19.82

LAB*LABa 60.59 15.44 -22.19

LAB*LABb 75.0 27.04 304.82

relative CIELAB lab*

lab*lab 0.549 0.285 -0.409

lab*tch 0.75 0.5 0.847

lab*nch 0.0 0.5 0.847

relative Natural Colour (NC)

lab*trj 0.549 0.252 -0.431

lab*tce 0.75 0.5 0.834

lab*nce 0.0 0.5 0.834

relative Inform. Technology (IT)

olv3* 0.25 0.25 0.75 (1.0)

cmyn3* 0.75 0.75 0.25 (0.0)

olv4* 0.5 0.5 1.0 (0.0)

cmyn4* 0.5 0.5 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 41.25 15.44 -22.19

LAB*LABa 41.25 15.44 -22.19

LAB*LABb 50.0 27.04 304.82

relative CIELAB lab*

lab*lab 0.299 0.285 -0.409

lab*tch 0.5 0.5 0.847

lab*nch 0.0 0.5 0.847

relative Natural Colour (NC)

lab*trj 0.299 0.252 -0.431

lab*tce 0.5 0.5 0.834

lab*nce 0.0 0.5 0.834

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.5 (1.0)

cmyn3* 1.0 1.0 0.5 (0.0)

olv4* 0.5 0.5 1.0 (0.0)

cmyn4* 0.5 0.5 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 21.91 16.06 -33.42

LAB*LABa 21.91 15.44 -22.19

LAB*LABb 25.01 27.04 304.82

relative CIELAB lab*

lab*lab 0.049 0.285 -0.409

lab*tch 0.25 0.5 0.847

lab*nch 0.0 0.5 0.847

relative Natural Colour (NC)

lab*trj 0.049 0.252 -0.431

lab*tce 0.25 0.5 0.834

lab*nce 0.0 0.5 0.834

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.25 (1.0)

cmyn3* 1.0 1.0 0.75 (0.0)

olv4* 0.5 0.5 1.0 (0.0)

cmyn4* 0.5 0.5 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 20.0 8.36 -11.42

LAB*LABa 20.0 7.72 -11.09

LAB*LABb 12.5 13.52 304.82

relative CIELAB lab*

lab*lab 0.025 0.143 -0.204

lab*tch 0.125 0.25 0.847

lab*nch 0.0 0.25 0.847

relative Natural Colour (NC)

lab*trj 0.025 0.126 -0.215

lab*tce 0.125 0.25 0.834

lab*nce 0.0 0.25 0.834

 $u^*_{rel} = 94$

relative Inform. Technology (IT)

olv3* 0.75 0.75 0.75 (1.0)

cmyn3* 0.25 0.25 0.25 (0.0)

olv4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 78.02 7.56 -7.55

LAB*LABa 78.02 7.72 -11.09

LAB*LABb 87.5 13.52 304.82

relative CIELAB lab*

lab*lab 0.75 0.143 -0.204

lab*tch 0.875 0.25 0.847

lab*nch 0.0 0.25 0.847

relative Natural Colour (NC)

lab*trj 0.775 0.126 -0.215

lab*tce 0.875 0.25 0.834

lab*nce 0.0 0.25 0.834

relative Inform. Technology (IT)

olv3* 0.5 0.5 0.5 (1.0)

cmyn3* 0.5 0.5 0.5 (0.0)

olv4* 0.75 0.75 1.0 (0.0)

cmyn4* 0.25 0.25 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 60.59 15.52 -19.82

LAB*LABa 60.59 15.44 -22.19

LAB*LABb 75.0 27.04 304.82

relative CIELAB lab*

lab*lab 0.549 0.285 -0.409

lab*tch 0.75 0.5 0.847

lab*nch 0.0 0.5 0.847

relative Natural Colour (NC)

lab*trj 0.549 0.252 -0.431

lab*tce 0.75 0.5 0.834

lab*nce 0.0 0.5 0.834

relative Inform. Technology (IT)

olv3* 0.25 0.25 0.75 (1.0)

cmyn3* 0.75 0.75 0.25 (0.0)

olv4* 0.5 0.5 1.0 (0.0)

cmyn4* 0.5 0.5 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 41.25 15.44 -22.19

LAB*LABa 41.25 15.44 -22.19

LAB*LABb 50.0 27.04 304.82

relative CIELAB lab*

lab*lab 0.299 0.285 -0.409

lab*tch 0.5 0.5 0.847

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lab*trj 0.299 0.252 -0.431

lab*tce 0.5 0.5 0.834

lab*nce 0.0 0.5 0.834

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.5 (1.0)

cmyn3* 1.0 1.0 0.5 (0.0)

olv4* 0.5 0.5 1.0 (0.0)

cmyn4* 0.5 0.5 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 21.91 16.06 -33.42

LAB*LABa 21.91 15.44 -22.19

LAB*LABb 25.01 27.04 304.82

relative CIELAB lab*

lab*lab 0.049 0.285 -0.409

lab*tch 0.25 0.5 0.847

lab*nch 0.0 0.5 0.847

relative Natural Colour (NC)

lab*trj 0.049 0.252 -0.431

lab*tce 0.25 0.5 0.834

lab*nce 0.0 0.5 0.834

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.25 (1.0)

cmyn3* 1.0 1.0 0.75 (0.0)

olv4* 0.5 0.5 1.0 (0.0)

cmyn4* 0.5 0.5 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 20.0 8.36 -11.42

LAB*LABa 20.0 7.72 -11.09

LAB*LABb 12.5 13.52 304.82

relative CIELAB lab*

lab*lab 0.025 0.143 -0.204

lab*tch 0.125 0.25 0.847

lab*nch 0.0 0.25 0.847

relative Natural Colour (NC)

lab*trj 0.025 0.126 -0.215

lab*tce 0.125 0.25 0.834

lab*nce 0.0 0.25 0.834

 $u^*_{rel} = 94$

relative Inform. Technology (IT)

olv3* 0.75 0.75 0.75 (1.0)

cmyn3* 0.25 0.25 0.25 (0.0)

olv4* 1.0 1.0 1.0 (1.0)

cmyn4* 0.0 0.0 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 78.02 7.56 -7.55

LAB*LABa 78.02 7.72 -11.09

LAB*LABb 87.5 13.52 304.82

relative CIELAB lab*

lab*lab 0.75 0.143 -0.204

lab*tch 0.875 0.25 0.847

lab*nch 0.0 0.25 0.847

relative Natural Colour (NC)

lab*trj 0.775 0.126 -0.215

lab*tce 0.875 0.25 0.834

lab*nce 0.0 0.25 0.834

relative Inform. Technology (IT)

olv3* 0.5 0.5 0.5 (1.0)

cmyn3* 0.5 0.5 0.5 (0.0)

olv4* 0.75 0.75 1.0 (0.0)

cmyn4* 0.25 0.25 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 60.59 15.52 -19.82

LAB*LABa 60.59 15.44 -22.19

LAB*LABb 75.0 27.04 304.82

relative CIELAB lab*

lab*lab 0.549 0.285 -0.409

lab*tch 0.75 0.5 0.847

lab*nch 0.0 0.5 0.847

relative Natural Colour (NC)

lab*trj 0.549 0.252 -0.431

lab*tce 0.75 0.5 0.834

lab*nce 0.0 0.5 0.834

relative Inform. Technology (IT)

olv3* 0.25 0.25 0.75 (1.0)

cmyn3* 0.75 0.75 0.25 (0.0)

olv4* 0.5 0.5 1.0 (0.0)

cmyn4* 0.5 0.5 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 41.25 15.44 -22.19

LAB*LABa 41.25 15.44 -22.19

LAB*LABb 50.0 27.04 304.82

relative CIELAB lab*

lab*lab 0.299 0.285 -0.409

lab*tch 0.5 0.5 0.847

lab*nch 0.0 0.5 0.847

relative Natural Colour (NC)

lab*trj 0.299 0.252 -0.431

lab*tce 0.5 0.5 0.834

lab*nce 0.0 0.5 0.834

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.5 (1.0)

cmyn3* 1.0 1.0 0.5 (0.0)

olv4* 0.5 0.5 1.0 (0.0)

cmyn4* 0.5 0.5 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 21.91 16.06 -33.42

LAB*LABa 21.91 15.44 -22.19

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relative Natural Colour (NC)

lab*trj 0.049 0.252 -0.431

lab*tce 0.25 0.5 0.834

lab*nce 0.0 0.5 0.834

relative Inform. Technology (IT)

olv3* 0.0 0.0 0.25 (1.0)

cmyn3* 1.0 1.0 0.75 (0.0)

olv4* 0.5 0.5 1.0 (0.0)

cmyn4* 0.5 0.5 0.0 (0.0)

standard and adapted CIELAB

LAB*LAB 20.0 8.36 -11.42

LAB*LABa 20.0 7.72 -11.09

LAB*LABb 12.5 13.52 304.82

relative CIELAB lab*

lab*lab 0.025 0.143 -0.204

lab*tch 0.125 0.25 0.847

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relative Natural Colour (NC)

lab*trj 0.025 0.126 -0.215

lab*tce 0.125 0.25 0.834

lab*nce 0.0 0.25 0.834

 $n^* = 0.00$ $n^* = 0.25$ $n^* = 0.50$ $n^* = 0.75$ $n^* = 1.00$ $n^* = 1.25$ $n^* = 1.50$ $n^* = 1.75$ $n^* = 2.00$ $n^* = 2.25$ $n^* = 2.50$ $n^* = 2.75$ $n^* = 3.00$ $n^* = 3.25$ $n^* = 3.50$ $n^* = 3.75$ $n^* = 4.00$ $n^* = 4.25$ $n^* = 4.50$ $n^* = 4.75$ $n^* = 5.00$ $n^* = 5.25$ $n^* = 5.50$ $n^* = 5.75$ $n^* = 6.00$ $n^* = 6.25$ $n^* = 6.50$ $n^* = 6.75$ $n^* = 7.00$ $n^* = 7.25$ $n^* = 7.50$ $n^* = 7.75$ $n^* = 8.00$ $n^* = 8.25$ $n^* = 8.5$

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 26/360 = 0.074$

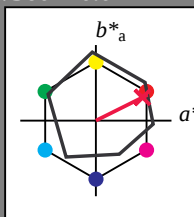
lab^*tch and lab^*nch

D50: hue R

LCH*Ma: 49 76 26

olv*Ma: 1.0 0.0 0.3

triangle lightness t^*



$u^*_{rel} = 94$

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	95.46	-39.49	4.69	
LAB*LAB	95.46	0.0	0.0	
LAB*LAB	99.99	0.01	0.0	

relative Inform. Technology (IT)

olvi3*	1.0	0.75	0.825	(1.0)
cmyn3*	0.0	0.25	0.175	(0.0)
olvi4*	1.0	0.75	0.825	(1.0)
cmyn4*	0.0	0.25	0.175	(0.0)
standard and adapted CIELAB				
LAB*LAB	83.73	16.82	12.41	
LAB*LAB	83.73	17.06	8.49	
LAB*LAB	97.5	19.06	20.46	

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.05	50.54	82.38	38
Y _{Ma}	91.0	-4.72	90.58	90.7	93
L _{Ma}	50.9	-63.18	34.98	72.22	151
C _{Ma}	56.99	-39.34	-48.1	62.16	231
V _{Ma}	25.72	30.89	-44.4	54.09	305
M _{Ma}	49.99	75.76	-4.64	75.9	356
N _{Ma}	18.09	0.0	0.0	0.0	0
W _{Ma}	95.46	0.0	0.0	0.0	0
R _{CIE}	41.88	61.66	30.69	68.88	26
J _{CIE}	81.97	2.02	67.79	67.82	88
G _{CIE}	51.62	-41.32	9.74	42.46	167
B _{CIE}	29.2	-5.79	-49.61	49.96	263

% Regularity

$g^*_{H,rel} = 65$

$g^*_{C,rel} = 60$

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	76.12	-0.12	3.4	
LAB*LAB	76.12	0.0	0.0	
LAB*LAB	75.0	0.01	0.0	

relative Inform. Technology (IT)

olvi3*	0.75	0.5	0.575	(1.0)
cmyn3*	0.25	0.5	0.575	(0.0)
olvi4*	1.0	0.75	0.825	(1.0)
cmyn4*	0.0	0.25	0.175	(0.0)
standard and adapted CIELAB				
LAB*LAB	64.39	17.1	11.12	
LAB*LAB	64.39	17.07	8.5	
LAB*LAB	62.5	19.06	21.11	

relative Inform. Technology (IT)

olvi3*	1.0	0.5	0.65	(1.0)
cmyn3*	0.0	0.5	0.65	(0.0)
olvi4*	1.0	0.5	0.65	(1.0)
cmyn4*	0.0	0.5	0.65	(0.0)
standard and adapted CIELAB				
LAB*LAB	72.0	34.05	20.12	
LAB*LAB	72.0	34.13	16.99	
LAB*LAB	75.0	38.12	26.46	

relative Inform. Technology (IT)

olvi3*	1.0	0.25	0.475	(1.0)
cmyn3*	0.0	0.25	0.475	(0.0)
olvi4*	1.0	0.25	0.475	(1.0)
cmyn4*	0.0	0.25	0.475	(0.0)
standard and adapted CIELAB				
LAB*LAB	60.28	51.28	27.84	
LAB*LAB	60.28	51.29	25.48	
LAB*LAB	62.5	57.18	26.46	

relative Inform. Technology (IT)

olvi3*	1.0	0.0	0.5	(1.0)
cmyn3*	0.0	0.0	0.5	(0.0)
olvi4*	1.0	0.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	48.56	68.5	35.55	
LAB*LAB	48.56	68.25	33.98	
LAB*LAB	50.0	76.24	26.47	

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	71.57	0.0	0.0	
LAB*LAB	71.57	0.0	0.0	
LAB*LAB	75.0	0.01	0.0	

relative Inform. Technology (IT)

olvi3*	0.75	0.5	0.575	(1.0)
cmyn3*	0.25	0.5	0.575	(0.0)
olvi4*	1.0	0.75	0.825	(1.0)
cmyn4*	0.0	0.25	0.175	(0.0)
standard and adapted CIELAB				
LAB*LAB	56.78	0.0	2.11	
LAB*LAB	56.78	0.0	0.0	
LAB*LAB	55.0	0.01	0.0	

relative Inform. Technology (IT)

olvi3*	0.75	0.25	0.4	(1.0)
cmyn3*	0.25	0.25	0.4	(0.0)
olvi4*	1.0	0.75	0.825	(1.0)
cmyn4*	0.0	0.25	0.175	(0.0)
standard and adapted CIELAB				
LAB*LAB	52.67	34.32	18.84	
LAB*LAB	52.67	34.13	16.99	
LAB*LAB	50.0	38.13	26.46	

relative Inform. Technology (IT)

olvi3*	0.75	0.0	0.25	(1.0)
cmyn3*	0.25	0.0	0.25	(0.0)
olvi4*	1.0	0.5	0.65	(1.0)
cmyn4*	0.0	0.5	0.65	(0.0)
standard and adapted CIELAB				
LAB*LAB	52.67	34.32	18.84	
LAB*LAB	52.67	34.13	16.99	
LAB*LAB	50.0	38.13	26.46	

relative Inform. Technology (IT)

olvi3*	0.75	0.0	0.25	(1.0)
cmyn3*	0.25	0.0	0.25	(0.0)
olvi4*	1.0	0.25	0.475	(1.0)
cmyn4*	0.0	0.25	0.475	(0.0)
standard and adapted CIELAB				
LAB*LAB	48.56	68.5	35.55	
LAB*LAB	48.56	68.25	33.98	
LAB*LAB	50.0	76.24	26.47	

relative Inform. Technology (IT)

olvi3*	0.75	0.0	0.25	(1.0)
cmyn3*	0.25	0.0	0.25	(0.0)
olvi4*	1.0	0.0	0.5	(1.0)
cmyn4*	0.0	0.0	0.5	(0.0)
standard and adapted CIELAB				
LAB*LAB	48.56	68.5	35.55	
LAB*LAB	48.56	68.25	33.98	
LAB*LAB	50.0	76.24	26.47	

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	47.72	0.0	0.0	
LAB*LAB	47.72	0.0	0.0	
LAB*LAB	50.0	0.01	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	37.34	34.38	17.35	
LAB*LAB	37.34	34.13	16.99	
LAB*LAB	35.0	38.13	26.46	

relative Inform. Technology (IT)

olvi3*	0.348	0.224	0.111	
cmyn3*	0.375	0.25	0.074	
olvi4*	1.0	0.75	0.825	
cmyn4*	0.0	0.25	0.175	
standard and adapted CIELAB				
LAB*LAB	33.33	34.38	17.35	
LAB*LAB	33.33	34.13	16.99	
LAB*LAB	35.0	38.13	26.46	

relative Inform. Technology (IT)

olvi3*	0.5	0.0	0.15	(1.0)
cmyn3*	0.5	0.0	0.15	(0.0)
olvi4*	1.0	0.5	0.65	(1.0)
cmyn4*	0.0	0.5	0.65	(0.0)
standard and adapted CIELAB				
LAB*LAB	40.34	51.55	26.55	
LAB*LAB	40.34	51.19	25.49	
LAB*LAB	37.51	57.19	26.47	

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.15	(1.0)
cmyn3*	0.75	0.0	0.15	(0.0)
olvi4*	1.0	0.25	0.475	(1.0)
cmyn4*	0.0	0.25	0.475	(0.0)
standard and adapted CIELAB				
LAB*LAB	40.34	51.55	26.55	
LAB*LAB	40.34	51.19	25.49	
LAB*LAB	37.51	57.19	26.47	

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.15	(1.0)
cmyn3*	0.75	0.0	0.15	(0.0)
olvi4*	1.0	0.25	0.475	(1.0)
cmyn4*	0.0	0.25	0.475	(0.0)
standard and adapted CIELAB				
LAB*LAB	40.34	51.55	26.55	
LAB*LAB	40.34	51.19	25.49	
LAB*LAB	37.51	57.19	26.47	

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.15	(1.0)
cmyn3*	0.75	0.0	0.15	(0.0)
olvi4*	1.0	0.25	0.475	(1.0)
cmyn4*	0.0	0.25	0.475	(0.0)
standard and adapted CIELAB				
LAB*LAB	40.34	51.55	26.55	
LAB*LAB	40.34	51.19	25.49	
LAB*LAB	37.51	57.19	26.47	

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.0	(1.0)
cmyn3*	0.75	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	18.1	0.0	0.0	
LAB*LAB	18.1	0.0	0.0	
LAB*LAB	18.1	0.0	0.0	

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.0	(1.0)
cmyn3*	0.75	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	18.1	0.0	0.0	
LAB*LAB	18.1	0.0	0.0	
LAB*LAB	18.1	0.0	0.0	

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.0	(1.0)
cmyn3*	0.75	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	18.1	0.0	0.0	
LAB*LAB	18.1	0.0	0.0	
LAB*LAB	18.1	0.0	0.0	

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.0	(1.0)
cmyn3*	0.75	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	18.1	0.0	0.0	
LAB*LAB	18.1	0.0	0.0	
LAB*LAB	18.1	0.0	0.0	

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.0	(1.0)
cmyn3*	0.75	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	18.1	0.0	0.0	
LAB*LAB	18.1	0.0	0.0	
LAB*LAB	18.1	0.0	0.0	

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.0	(1.0)
cmyn3*	0.75	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	18.1	0.0	0.0	
LAB*LAB	18.1	0.0	0.0	
LAB*LAB	18.1	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	18.1	0.0	0.0	
LAB*LAB	18.1	0.0	0.0	
LAB*LAB	18.1	0.0	0.0	

LAB*LABa	25.71	17.06	8.5
LAB*TCHa	12.5	19.06	26.48
relative CIELAB lab*			
lab*lab	0.098	0.224	0.111
lab*tch	0.125	0.25	0.074
lab*ncb	0.75	0.25	0.074
relative Natural Colour (NC)			
lab*lrj	0.098	0.25	0.0
lab*tce	0.125	0.25	0.0

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 167/360 = 0.463$

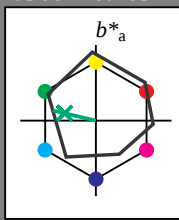
lab^*tch and lab^*nch

D50: hue G

LCH*Ma: 52 59 167

olv*Ma: 0.0 1.0 0.26

triangle lightness t^*



ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	65.05	50.54	82.38	38
Y _{Ma}	91.0	-4.72	90.58	90.7	93
L _{Ma}	50.9	-63.18	34.98	72.22	151
C _{Ma}	56.99	-39.34	-48.1	62.16	231
V _{Ma}	25.72	30.89	-44.4	54.09	305
M _{Ma}	49.99	75.76	-4.64	75.9	356
N _{Ma}	18.09	0.0	0.0	0.0	0
W _{Ma}	95.46	0.0	0.0	0.0	0
R _{CIE}	41.88	61.66	30.69	68.88	26
J _{CIE}	81.97	2.02	67.79	67.82	88
G _{CIE}	51.62	-41.32	9.74	42.46	167
B _{CIE}	29.2	-5.79	-49.61	49.96	263

%Regularity

$g^*_{H,rel} = 65$

$g^*_{C,rel} = 60$

relative Inform. Technology (IT)
olv3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.46 -39.34 4.69
LAB*LAB 95.46 0.0 0.0
LAB*LAB 99.99 0.01 0.0

relative CIELAB lab*
lab*lab 1.0 0.0 0.0
lab*lab 1.0 0.0 0.0
lab*lab 1.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 1.0 0.0 0.0
lab*lab 1.0 0.0 0.0
lab*lab 1.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.75 0.75 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.12 -0.12 3.4
LAB*LAB 76.12 0.0 0.0
LAB*LAB 75.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*lab 0.75 0.0 0.0
lab*lab 0.75 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.75 0.0 0.0
lab*lab 0.75 0.0 0.0
lab*lab 0.75 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (0.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.78 0.13 2.11
LAB*LAB 56.78 0.0 0.0
LAB*LAB 55.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*lab 0.5 0.0 0.0
lab*lab 0.5 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.5 0.0 0.0
lab*lab 0.5 0.0 0.0
lab*lab 0.5 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (0.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.44 -0.32 0.82
LAB*LAB 37.44 0.0 0.0
LAB*LAB 35.00 0.01 0.0

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*lab 0.25 0.0 0.0
lab*lab 0.25 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.25 0.0 0.0
lab*lab 0.25 0.0 0.0
lab*lab 0.25 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.1 0.0 0.0
LAB*LAB 18.1 0.0 0.0
LAB*LAB 18.1 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olv4* 1.0 1.0 1.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.1 0.0 0.0
LAB*LAB 18.1 0.0 0.0
LAB*LAB 18.1 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.75 1.0 0.815 (1.0)
cmyn3* 0.25 0.0 0.185 (0.0)
olv4* 0.75 1.0 0.815 (1.0)
cmyn4* 0.25 0.0 0.185 (0.0)
standard and adapted CIELAB
LAB*LAB 84.71 -14.24 3.36
LAB*LAB 84.71 -14.24 3.36
LAB*LAB 84.71 -14.24 3.36

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*lab 0.75 0.0 0.0
lab*lab 0.75 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.75 0.0 0.0
lab*lab 0.75 0.0 0.0
lab*lab 0.75 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.5 1.0 0.63 (1.0)
cmyn3* 0.5 0.0 0.37 (0.0)
olv4* 0.5 1.0 0.63 (1.0)
cmyn4* 0.5 0.0 0.37 (0.0)
standard and adapted CIELAB
LAB*LAB 73.97 -28.49 9.98
LAB*LAB 73.97 -28.49 9.98
LAB*LAB 73.97 -28.49 9.98

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*lab 0.5 0.0 0.0
lab*lab 0.5 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.5 0.0 0.0
lab*lab 0.5 0.0 0.0
lab*lab 0.5 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.5 0.36 (1.0)
cmyn3* 0.75 0.25 0.64 (0.0)
olv4* 0.25 0.5 0.36 (1.0)
cmyn4* 0.75 0.25 0.64 (0.0)
standard and adapted CIELAB
LAB*LAB 54.63 -28.33 8.7
LAB*LAB 54.63 -28.33 8.7
LAB*LAB 54.63 -28.33 8.7

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*lab 0.25 0.0 0.0
lab*lab 0.25 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.25 0.0 0.0
lab*lab 0.25 0.0 0.0
lab*lab 0.25 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.19 (1.0)
cmyn3* 0.75 0.25 0.64 (0.0)
olv4* 0.25 0.5 0.19 (1.0)
cmyn4* 0.75 0.25 0.64 (0.0)
standard and adapted CIELAB
LAB*LAB 35.29 -28.06 7.41
LAB*LAB 35.29 -28.06 7.41
LAB*LAB 35.29 -28.06 7.41

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.25 0.062 (1.0)
cmyn3* 1.0 0.75 0.938 (0.0)
olv4* 0.25 0.0 0.062 (1.0)
cmyn4* 0.75 0.25 0.938 (0.0)
standard and adapted CIELAB
LAB*LAB 26.69 -14.24 3.37
LAB*LAB 26.69 -14.24 3.37
LAB*LAB 26.69 -14.24 3.37

relative CIELAB lab*
lab*lab 0.0 0.25 0.062 (1.0)
lab*lab 0.0 0.25 0.062 (1.0)
lab*lab 0.0 0.25 0.062 (1.0)
relative Natural Colour (NC)
lab*lab 0.0 0.25 0.062 (1.0)
lab*lab 0.0 0.25 0.062 (1.0)
lab*lab 0.0 0.25 0.062 (1.0)

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olv4* 1.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.1 0.0 0.0
LAB*LAB 18.1 0.0 0.0
LAB*LAB 18.1 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.5 1.0 0.63 (1.0)
cmyn3* 0.5 0.0 0.37 (0.0)
olv4* 0.5 1.0 0.63 (1.0)
cmyn4* 0.5 0.0 0.37 (0.0)
standard and adapted CIELAB
LAB*LAB 73.97 -28.49 9.98
LAB*LAB 73.97 -28.49 9.98
LAB*LAB 73.97 -28.49 9.98

relative CIELAB lab*
lab*lab 0.5 0.0 0.0
lab*lab 0.5 0.0 0.0
lab*lab 0.5 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.5 0.0 0.0
lab*lab 0.5 0.0 0.0
lab*lab 0.5 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.25 0.5 0.36 (1.0)
cmyn3* 0.75 0.25 0.64 (0.0)
olv4* 0.25 0.5 0.36 (1.0)
cmyn4* 0.75 0.25 0.64 (0.0)
standard and adapted CIELAB
LAB*LAB 54.63 -28.33 8.7
LAB*LAB 54.63 -28.33 8.7
LAB*LAB 54.63 -28.33 8.7

relative CIELAB lab*
lab*lab 0.25 0.0 0.0
lab*lab 0.25 0.0 0.0
lab*lab 0.25 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.25 0.0 0.0
lab*lab 0.25 0.0 0.0
lab*lab 0.25 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.25 0.062 (1.0)
cmyn3* 1.0 0.75 0.938 (0.0)
olv4* 0.25 0.0 0.062 (1.0)
cmyn4* 0.75 0.25 0.938 (0.0)
standard and adapted CIELAB
LAB*LAB 26.69 -14.24 3.37
LAB*LAB 26.69 -14.24 3.37
LAB*LAB 26.69 -14.24 3.37

relative CIELAB lab*
lab*lab 0.0 0.25 0.062 (1.0)
lab*lab 0.0 0.25 0.062 (1.0)
lab*lab 0.0 0.25 0.062 (1.0)
relative Natural Colour (NC)
lab*lab 0.0 0.25 0.062 (1.0)
lab*lab 0.0 0.25 0.062 (1.0)
lab*lab 0.0 0.25 0.062 (1.0)

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olv4* 1.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.1 0.0 0.0
LAB*LAB 18.1 0.0 0.0
LAB*LAB 18.1 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olv4* 1.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.1 0.0 0.0
LAB*LAB 18.1 0.0 0.0
LAB*LAB 18.1 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olv4* 1.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.1 0.0 0.0
LAB*LAB 18.1 0.0 0.0
LAB*LAB 18.1 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 54.63 -28.33 8.7
LAB*LAB 54.63 -28.33 8.7
LAB*LAB 54.63 -28.33 8.7

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (1.0)
lab*lab 0.5 0.5 0.5 (1.0)
lab*lab 0.5 0.5 0.5 (1.0)
relative Natural Colour (NC)
lab*lab 0.5 0.5 0.5 (1.0)
lab*lab 0.5 0.5 0.5 (1.0)
lab*lab 0.5 0.5 0.5 (1.0)

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 0.25 0.25 0.25 (1.0)
cmyn4* 0.75 0.75 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 37.44 -0.32 0.82
LAB*LAB 37.44 -0.32 0.82
LAB*LAB 37.44 -0.32 0.82

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (1.0)
lab*lab 0.25 0.25 0.25 (1.0)
lab*lab 0.25 0.25 0.25 (1.0)
relative Natural Colour (NC)
lab*lab 0.25 0.25 0.25 (1.0)
lab*lab 0.25 0.25 0.25 (1.0)
lab*lab 0.25 0.25 0.25 (1.0)

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olv4* 1.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.1 0.0 0.0
LAB*LAB 18.1 0.0 0.0
LAB*LAB 18.1 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olv4* 1.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.1 0.0 0.0
LAB*LAB 18.1 0.0 0.0
LAB*LAB 18.1 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olv4* 1.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.1 0.0 0.0
LAB*LAB 18.1 0.0 0.0
LAB*LAB 18.1 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olv4* 1.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.1 0.0 0.0
LAB*LAB 18.1 0.0 0.0
LAB*LAB 18.1 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olv4* 0.5 0.5 0.5 (1.0)
cmyn4* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 54.63 -28.33 8.7
LAB*LAB 54.63 -28.33 8.7
LAB*LAB 54.63 -28.33 8.7

relative CIELAB lab*
lab*lab 0.5 0.5 0.5 (1.0)
lab*lab 0.5 0.5 0.5 (1.0)
lab*lab 0.5 0.5 0.5 (1.0)
relative Natural Colour (NC)
lab*lab 0.5 0.5 0.5 (1.0)
lab*lab 0.5 0.5 0.5 (1.0)
lab*lab 0.5 0.5 0.5 (1.0)

relative Inform. Technology (IT)
olv3* 0.25 0.25 0.25 (1.0)
cmyn3* 0.75 0.75 0.75 (0.0)
olv4* 0.25 0.25 0.25 (1.0)
cmyn4* 0.75 0.75 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 37.44 -0.32 0.82
LAB*LAB 37.44 -0.32 0.82
LAB*LAB 37.44 -0.32 0.82

relative CIELAB lab*
lab*lab 0.25 0.25 0.25 (1.0)
lab*lab 0.25 0.25 0.25 (1.0)
lab*lab 0.25 0.25 0.25 (1.0)
relative Natural Colour (NC)
lab*lab 0.25 0.25 0.25 (1.0)
lab*lab 0.25 0.25 0.25 (1.0)
lab*lab 0.25 0.25 0.25 (1.0)

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olv4* 1.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.1 0.0 0.0
LAB*LAB 18.1 0.0 0.0
LAB*LAB 18.1 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olv4* 1.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.1 0.0 0.0
LAB*LAB 18.1 0.0 0.0
LAB*LAB 18.1 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olv4* 1.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.1 0.0 0.0
LAB*LAB 18.1 0.0 0.0
LAB*LAB 18.1 0.0 0.0

relative CIELAB lab*
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
relative Natural Colour (NC)
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0
lab*lab 0.0 0.0 0.0

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olv4* 1.0 0.0 0.0 (0.0)
cmyn4* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.1 0.0 0.0
LAB*LAB 18.1 0.0 0.0
LAB*LAB 18.1 0.0 0.0

relative CIELAB lab*
lab*lab 0.0
