

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 38/360 = 0.106$

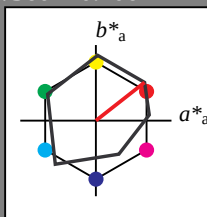
lab^*tch and lab^*nch

A: hue 0

LCH*Ma: 48 82 38

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



$u^*_{rel} = 96$

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	95.6	0.43	4.65
LAB*LAB	95.6	0.0	0.0
LAB*LAB	95.6	0.0	0.0

relative Inform. Technology (IT)

olv3*	1.0	0.75	0.75	(1.0)
cmyn3*	0.0	0.25	0.25	(0.0)
olv4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	83.68	16.64	16.51
LAB*LAB	83.68	16.1	12.64
LAB*LAB	83.68	16.1	12.64

relative Inform. Technology (IT)

olv3*	1.0	0.75	0.75	(1.0)
cmyn3*	0.0	0.25	0.25	(0.0)
olv4*	1.0	0.75	0.75	(1.0)
cmyn4*	0.0	0.25	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	76.23	0.62	3.36
LAB*LAB	76.23	0.0	0.0
LAB*LAB	76.23	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	76.23	0.62	3.36
LAB*LAB	76.23	0.0	0.0
LAB*LAB	76.23	0.0	0.0

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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	56.86	0.0	2.08
LAB*LAB	56.86	0.0	0.0
LAB*LAB	56.86	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)

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standard and adapted CIELAB

LAB*LAB	56.86	0.0	2.08
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LAB*LAB	56.86	0.0	0.0

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	64.42	50.58	81.9	38
Y _{Ma}	92.62	2.41	86.36	86.39	88
L _{Ma}	50.9	-63.82	35.02	72.81	151
C _{Ma}	51.25	-53.68	-57.69	78.82	227
V _{Ma}	25.72	30.34	-44.37	53.76	304
M _{Ma}	56.25	70.59	7.57	70.99	6
N _{Ma}	18.11	0.0	0.0	0.0	0
W _{Ma}	95.6	0.0	0.0	0.0	0
RC _{IE}	47.79	60.85	41.08	73.41	34
J _{CIE}	83.82	6.52	66.9	67.22	84
G _{CIE}	49.0	-36.83	2.78	36.95	176
B _{CIE}	25.14	-18.35	-56.22	59.15	252

%Regularity

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

relative Inform. Technology (IT)

olv3*	1.0	0.5	0.5	(1.0)
cmyn3*	0.0	0.5	0.5	(0.0)
olv4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	71.77	32.86	28.36
LAB*LAB	71.77	32.2	25.28
LAB*LAB	71.77	32.2	25.28

relative Inform. Technology (IT)

olv3*	1.0	0.5	0.5	(1.0)
cmyn3*	0.0	0.5	0.5	(0.0)
olv4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)

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LAB*LAB	71.77	32.86	28.36
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cmyn3*	0.0	0.5	0.5	(0.0)
olv4*	1.0	0.5	0.5	(1.0)
cmyn4*	0.0	0.5	0.5	(0.0)

standard and adapted CIELAB

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olv4*	1.0	0.5	0.5	(1.0)
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olv4*	1.0	0.5	0.5	(1.0)
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standard and adapted CIELAB

LAB*LAB	71.77	32.86	28.36
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Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 35/360 = 0.097$

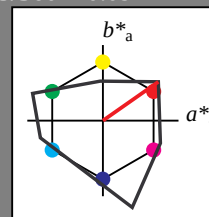
lab^*tch and lab^*nch

A: hue 0

LCH*Ma: 66 90 35

olv*Ma: 1.0 0.0 0.0

triangle lightness t^*



$u^*_{rel} = 141$

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	95.41	0.0	0.0
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LAB*LAB	95.41	0.0	0.0

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)
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standard and adapted CIELAB

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standard and adapted CIELAB

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olv4*	1.0	1.0	1.0	(1.0)
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olv4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

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olv3*	1.0	1.0	1.0	(1.0)
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olv4*	1.0	1.0	1.0	(1.0)
cmyn4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

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olv3*	1.0	1.0	1.0	(1.0)
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cmyn3*	0.0	0.0	0.0	(0.0)
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standard and adapted CIELAB

LAB*LAB	95.41	0.0	0.0
LAB*LAB	95.41	0.0	0.0
LAB*LAB	95.41	0.0	0.0

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 88/360 = 0.246$

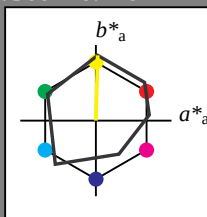
lab^*tch and lab^*nch

A: hue Y

LCH*Ma: 93 86 88

olv*Ma: 1.0 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	64.42	50.58	81.9	38
Y _{Ma}	92.62	2.41	86.36	86.39	88
L _{Ma}	50.9	-63.82	35.02	72.81	151
C _{Ma}	51.25	-53.68	-57.69	78.82	227
V _{Ma}	25.72	30.34	-44.37	53.76	304
M _{Ma}	56.25	70.59	7.57	70.99	6
N _{Ma}	18.11	0.0	0.0	0.0	0
W _{Ma}	95.6	0.0	0.0	0.0	0
RC _{IE}	47.79	60.85	41.08	73.41	34
J _{CIE}	83.82	6.52	66.9	67.22	84
G _{CIE}	49.0	-36.83	2.78	36.95	176
B _{CIE}	25.14	-18.35	-56.22	59.15	252

%Regularity

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

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)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)

standard and adapted CIELAB

LAB*LAB	95.6	0.43	4.65
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LAB*LAB	95.6	0.0	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	94.85	1.04	26.19
LAB*LAB	94.85	0.0	21.38
LAB*LAB	94.85	0.0	21.38
LAB*LAB	94.85	0.0	21.38

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	94.1	1.65	47.73
LAB*LAB	94.1	1.21	43.17
LAB*LAB	94.1	1.21	43.17
LAB*LAB	94.1	1.21	43.17

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	94.1	1.65	47.73
LAB*LAB	94.1	1.21	43.17
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relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	94.1	1.65	47.73
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relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv4*	0.0	0.0	0.0	(0.0)
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standard and adapted CIELAB

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olv3*	0.25	0.25	0.5	(0.0)
olv4*	1.0	1.0	0.75	(1.0)
olv4*	0.0	0.0	0.75	(0.0)
olv4*	0.0	0.0	0.75	(0.0)
olv4*	0.0	0.0	0.75	(0.0)

standard and adapted CIELAB

LAB*LAB	76.23	0.62	3.36
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relative Inform. Technology (IT)

olv3*	0.75	0.75	0.25	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	0.5	(1.0)
olv4*	0.0	0.0	0.5	(0.0)
olv4*	0.0	0.0	0.5	(0.0)
olv4*	0.0	0.0	0.5	(0.0)

standard and adapted CIELAB

LAB*LAB	94.1	1.65	47.73
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olv3*	0.25	0.25	0.0	(0.0)
olv4*	1.0	1.0	0.25	(1.0)
olv4*	0.0	0.0	0.25	(0.0)
olv4*	0.0	0.0	0.25	(0.0)
olv4*	0.0	0.0	0.25	(0.0)

standard and adapted CIELAB

LAB*LAB	93.36	2.26	69.27
LAB*LAB	93.36	1.81	64.76
LAB*LAB	93.36	1.81	64.76
LAB*LAB	93.36	1.81	64.76

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	93.36	2.26	69.27
LAB*LAB	93.36	1.81	64.76
LAB*LAB	93.36	1.81	64.76
LAB*LAB	93.36	1.81	64.76

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	76.23	0.62	3.36
LAB*LAB	76.23	0.0	0.0
LAB*LAB	76.23	0.0	0.0
LAB*LAB	76.23	0.0	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	76.23	0.62	3.36
LAB*LAB	76.23	0.0	0.0
LAB*LAB	76.23	0.0	0.0
LAB*LAB	76.23	0.0	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	76.23	0.62	3.36
LAB*LAB	76.23	0.0	0.0
LAB*LAB	76.23	0.0	0.0
LAB*LAB	76.23	0.0	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	76.23	0.62	3.36
LAB*LAB	76.23	0.0	0.0
LAB*LAB	76.23	0.0	0.0
LAB*LAB	76.23	0.0	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	76.23	0.62	3.36
LAB*LAB	76.23	0.0	0.0
LAB*LAB	76.23	0.0	0.0
LAB*LAB	76.23	0.0	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	76.23	0.62	3.36
LAB*LAB	76.23	0.0	0.0
LAB*LAB	76.23	0.0	0.0
LAB*LAB	76.23	0.0	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	76.23	0.62	3.36
LAB*LAB	76.23	0.0	0.0
LAB*LAB	76.23	0.0	0.0
LAB*LAB	76.23	0.0	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	76.23	0.62	3.36
LAB*LAB	76.23	0.0	0.0
LAB*LAB	76.23	0.0	0.0
LAB*LAB	76.23	0.0	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	76.23	0.62	3.36
LAB*LAB	76.23	0.0	0.0
LAB*LAB	76.23	0.0	0.0
LAB*LAB	76.23	0.0	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	76.23	0.62	3.36
LAB*LAB	76.23	0.0	0.0
LAB*LAB	76.23	0.0	0.0
LAB*LAB	76.23	0.0	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	76.23	0.62	3.36
LAB*LAB	76.23	0.0	0.0
LAB*LAB	76.23	0.0	0.0
LAB*LAB	76.23	0.0	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	76.23	0.62	3.36
LAB*LAB	76.23	0.0	0.0
LAB*LAB	76.23	0.0	0.0
LAB*LAB	76.23	0.0	0.0

olv3*	0.75	0.75	0.25	(1.0)
cmv3*	0.25	0.25	0.75	(0.0)
olv4*	1.0	1.0	0.5	0.75
cmv4*	0.0	0.0	0.5	0.25
standard and adapted CIELAB				
LAB*LAB	74.74	1.84	46.45	
LAB*LABa	74.74	1.21	43.18	
LAB*TCHa	50.0	43.2	88.4	
relative CIELAB lab*				

Input: Colorimetric Offset Reflective System ORS18

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

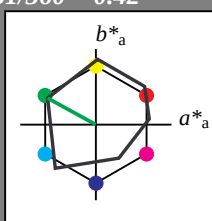
lab^*tch and lab^*nch

A: hue L

LCH*Ma: 51 73 151

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 96$

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 95.6 0.43 4.65
LAB*LAB 95.6 0.0 0.0
LAB*TCh 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 76.23 0.62 3.36
LAB*LAB 76.23 0.0 0.0
LAB*TCh 75.00 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 56.86 0.2 2.08
LAB*LAB 56.86 0.0 0.0
LAB*TCh 50.00 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 37.48 0.18 0.79
LAB*LAB 37.48 0.0 0.0
LAB*TCh 25.00 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 18.12 0.18 0.49
LAB*LAB 18.12 0.0 0.0
LAB*TCh 0.01 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 18.12 0.18 0.49
LAB*LAB 18.12 0.0 0.0
LAB*TCh 0.01 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

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	64.42	50.58	81.9	38
Y _{Ma}	92.62	2.41	86.36	86.39	88
L _{Ma}	50.9	-63.82	35.02	72.81	151
C _{Ma}	51.25	-53.68	-57.69	78.82	227
V _{Ma}	25.72	30.34	-44.37	53.76	304
M _{Ma}	56.25	70.59	7.57	70.99	6
N _{Ma}	18.11	0.0	0.0	0.0	0
W _{Ma}	95.6	0.0	0.0	0.0	0
R _{CIE}	47.79	60.85	41.08	73.41	34
J _{CIE}	83.82	6.52	66.9	67.22	84
G _{CIE}	49.0	-36.83	2.78	36.95	176
B _{CIE}	25.14	-18.35	-56.22	59.15	252

%Regularity

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

relative Inform. Technology (IT)
olv3* 0.5 1.0 0.5 (1.0)
cmyn3* 0.5 0.5 0.0 (0.0)
olv4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 73.25 -31.25 20.69
LAB*LAB 73.25 -31.9 17.51
LAB*TCh 75.0 36.4 151.25

relative CIELAB lab*
lab*lab 0.712 -0.437 0.24
lab*tch 0.75 0.5 0.42
lab*nch 0.0 0.5 0.42
relative Natural Colour (NC)
lab*trj 0.712 -0.455 0.24
lab*tce 0.75 0.5 0.43
lab*nce 0.0 0.5 0.43

relative Inform. Technology (IT)
olv3* 0.25 0.75 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olv4* 0.5 1.0 0.5 (0.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 53.88 -31.07 19.4
LAB*LAB 53.88 -31.91 17.51
LAB*TCh 50.0 36.4 151.25

relative CIELAB lab*
lab*lab 0.462 -0.437 0.241
lab*tch 0.5 0.5 0.42
lab*nch 0.0 0.5 0.42
relative Natural Colour (NC)
lab*trj 0.462 -0.455 0.24
lab*tce 0.5 0.5 0.43
lab*nce 0.0 0.5 0.43

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.0 (1.0)
cmyn3* 1.0 0.5 0.0 (0.0)
olv4* 0.5 1.0 0.5 (0.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 34.31 -30.88 18.33
LAB*LAB 34.31 -31.9 17.51
LAB*TCh 30.0 36.4 151.25

relative CIELAB lab*
lab*lab 0.317 -0.656 0.361
lab*tch 0.375 0.5 0.42
lab*nch 0.0 0.5 0.42
relative Natural Colour (NC)
lab*trj 0.317 -0.684 0.36
lab*tce 0.375 0.5 0.43
lab*nce 0.0 0.5 0.43

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olv4* 0.5 1.0 0.5 (0.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 26.31 -15.94 8.81
LAB*LAB 26.31 -15.94 8.81
LAB*TCh 12.5 36.4 151.25

relative CIELAB lab*
lab*lab 0.106 -0.218 0.12
lab*tch 0.125 0.25 0.42
lab*nch 0.0 0.25 0.42
relative Natural Colour (NC)
lab*trj 0.106 -0.227 0.12
lab*tce 0.125 0.25 0.43
lab*nce 0.0 0.25 0.43

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 18.12 0.18 0.49
LAB*LAB 18.12 0.0 0.0
LAB*TCh 0.01 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

$n^* = 0.00$

$n^* = 0.25$

$n^* = 0.50$

$n^* = 0.75$

$n^* = 1.00$

$n^* = 1.0$

chromaticness c^*

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 159/360 = 0.441$

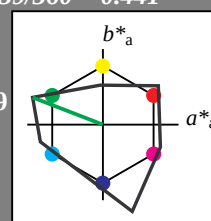
lab^*tch and lab^*nch

A: hue L

LCH*Ma: 77 100 159

olv*Ma: 0.0 1.0 0.0

triangle lightness t^*



$u^*_{rel} = 141$

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 95.41 0.0 0.0
LAB*LAB 95.41 0.0 0.0
LAB*TCh 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 71.57 0.0 0.0
LAB*LAB 71.57 0.0 0.0
LAB*TCh 75.00 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 50.9 -62.95 36.7
LAB*LAB 50.9 -63.81 35.01
LAB*TCh 50.0 72.79 151.25

relative CIELAB lab*
lab*lab 0.423 -0.876 0.481
lab*tch 0.5 1.0 0.42
lab*nch 0.0 1.0 0.42
relative Natural Colour (NC)
lab*trj 0.423 -0.912 0.48
lab*tce 0.5 1.0 0.43
lab*nce 0.0 1.0 0.43

relative Inform. Technology (IT)
olv3* 0.25 0.75 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olv4* 0.5 1.0 0.5 (0.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 37.51 -30.88 18.33
LAB*LAB 37.51 -31.9 17.51
LAB*TCh 30.0 36.4 151.25

relative CIELAB lab*
lab*lab 0.317 -0.656 0.361
lab*tch 0.375 0.5 0.42
lab*nch 0.0 0.5 0.42
relative Natural Colour (NC)
lab*trj 0.317 -0.684 0.36
lab*tce 0.375 0.5 0.43
lab*nce 0.0 0.5 0.43

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.0 (1.0)
cmyn3* 1.0 0.5 0.0 (0.0)
olv4* 0.5 1.0 0.5 (0.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 34.31 -30.88 18.33
LAB*LAB 34.31 -31.9 17.51
LAB*TCh 30.0 36.4 151.25

relative CIELAB lab*
lab*lab 0.317 -0.656 0.361
lab*tch 0.375 0.5 0.42
lab*nch 0.0 0.5 0.42
relative Natural Colour (NC)
lab*trj 0.317 -0.684 0.36
lab*tce 0.375 0.5 0.43
lab*nce 0.0 0.5 0.43

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 18.12 0.18 0.49
LAB*LAB 18.12 0.0 0.0
LAB*TCh 0.01 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

$n^* = 1.0$

chromaticness c^*

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	65.56	73.34	51.39	89.55	35
Y _{Ma}	94.78	-3.49	52.24	52.36	94
L _{Ma}	77.48	-92.97	36.0	99.71	159
C _{Ma}	78.36	-82.69	-22.74	85.77	195
V _{Ma}	12.55	38.81	-114.81	121.2	289
M _{Ma}	66.71	76.08	-29.8	81.71	339
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
R _{CIE}	47.79	61.74	42.56	74.99	35
J _{CIE}	83.82	7.06	70.78	71.13	84
G _{CIE}	49.0	-35.95	4.34	36.22	173
B _{CIE}	25.14	-17.24	-56.24	58.84	253

%Regularity

$g^*_{H,rel} = 39$

$g^*_{C,rel} = 43$

relative Inform. Technology (IT)
olv3* 0.5 1.0 0.5 (1.0)
cmyn3* 0.5 0.5 0.0 (0.0)
olv4* 0.5 1.0 0.5 (1.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 86.44 -46.47 18.0
LAB*LAB 86.44 -46.47 18.0
LAB*TCh 75.0 49.84 158.83

relative CIELAB lab*
lab*lab 0.906 -0.465 0.18
lab*tch 0.75 0.5 0.441
lab*nch 0.0 0.5 0.441
relative Natural Colour (NC)
lab*trj 0.906 -0.483 0.125
lab*tce 0.75 0.5 0.46
lab*nce 0.0 0.5 0.46

relative Inform. Technology (IT)
olv3* 0.25 0.75 0.25 (1.0)
cmyn3* 0.75 0.25 0.75 (0.0)
olv4* 0.5 1.0 0.5 (0.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 62.6 -46.48 18.0
LAB*LAB 62.6 -46.48 18.0
LAB*TCh 50.0 49.85 158.83

relative CIELAB lab*
lab*lab 0.656 -0.465 0.181
lab*tch 0.5 0.5 0.441
lab*nch 0.0 0.5 0.441
relative Natural Colour (NC)
lab*trj 0.656 -0.483 0.125
lab*tce 0.5 0.5 0.46
lab*nce 0.0 0.5 0.46

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.0 (1.0)
cmyn3* 1.0 0.5 0.0 (0.0)
olv4* 0.5 1.0 0.5 (0.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 38.75 -30.88 18.33
LAB*LAB 38.75 -31.9 17.51
LAB*TCh 30.0 36.4 151.25

relative CIELAB lab*
lab*lab 0.406 -0.465 0.18
lab*tch 0.25 0.5 0.441
lab*nch 0.0 0.5 0.441
relative Natural Colour (NC)
lab*trj 0.406 -0.483 0.125
lab*tce 0.25 0.5 0.46
lab*nce 0.0 0.5 0.46

relative Inform. Technology (IT)
olv3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 0.0 0.0 (0.0)
olv4* 0.5 1.0 0.5 (0.0)
cmyn4* 0.5 0.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 19.38 -23.23 9.0
LAB*LAB 19.38 -23.23 9.0
LAB*TCh 12.5 36.4 151.25

relative CIELAB lab*
lab*lab 0.03 -0.232 0.09
lab*tch 0.125 0.25 0.441
lab*nch 0.0 0.25 0.441
relative Natural Colour (NC)
lab*trj 0.03 -0.241 0.062
lab*tce 0.125 0.25 0.46
lab*nce 0.0 0.25 0.46

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 0.03 0.0 0.0
LAB*LAB 0.03 0.0 0.0
LAB*TCh 0.01 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

$n^* = 1.0$

chromaticness c^*

BAM-test chart SE50; Colorimetric systems ORS18 & ORS18

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

5 step scales for constant CIELAB hue 159/360 = 0.441 (right)

input: `cmv0* setcmvcolor`

output: `Startup (S) data dependend`

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 227/360 = 0.631$

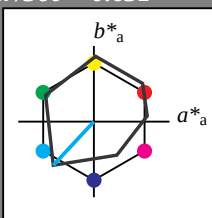
lab^*tch and lab^*nch

A: hue C

LCH*Ma: 51 79 227

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



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 95.6 0.43 4.65
LAB*LABa 95.6 0.0 0.0
LAB*LABb 95.6 0.0 0.0
LAB*LABc 95.6 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*tr 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 0.75
cmyn4* 0.0 0.0 0.0 0.25
standard and adapted CIELAB
LAB*LAB 76.23 0.62 3.36
LAB*LABa 76.23 0.0 0.0
LAB*LABb 76.23 0.0 0.0
LAB*LABc 76.23 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*tr 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 0.5
cmyn4* 0.0 0.0 0.0 0.5
standard and adapted CIELAB
LAB*LAB 56.86 0.2 2.08
LAB*LABa 56.86 0.0 0.0
LAB*LABb 56.86 0.0 0.0
LAB*LABc 56.86 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*tr 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 0.25
cmyn4* 0.0 0.0 0.0 0.75
standard and adapted CIELAB
LAB*LAB 37.49 0.18 0.79
LAB*LABa 37.49 0.0 0.0
LAB*LABb 37.49 0.0 0.0
LAB*LABc 37.49 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*tr 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 0.0
cmyn4* 0.0 0.0 0.0 1.0
standard and adapted CIELAB
LAB*LAB 18.12 0.0 0.49
LAB*LABa 18.12 0.0 0.0
LAB*LABb 18.12 0.0 0.0
LAB*LABc 18.12 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*tr 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 0.0
cmyn4* 0.0 0.0 0.0 1.0
standard and adapted CIELAB
LAB*LAB 0.01 0.01
LAB*LABa 0.01 0.01
LAB*LABb 0.01 0.01
LAB*LABc 0.01 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*tr 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	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	64.42	50.58	81.9	38
Y _{Ma}	92.62	2.41	86.36	86.39	88
L _{Ma}	50.9	-63.82	35.02	72.81	151
C _{Ma}	51.25	-53.68	-57.69	78.82	227
V _{Ma}	25.72	30.34	-44.37	53.76	304
M _{Ma}	56.25	70.59	7.57	70.99	6
N _{Ma}	18.11	0.0	0.0	0.0	0
W _{Ma}	95.6	0.0	0.0	0.0	0
RC _{IE}	47.79	60.85	41.08	73.41	34
J _{CIE}	83.82	6.52	66.9	67.22	84
G _{CIE}	49.0	-36.83	2.78	36.95	176
B _{CIE}	25.14	-18.35	-56.22	59.15	252

%Regularity

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

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 0.5
cmyn4* 0.5 0.5 0.5 0.5
standard and adapted CIELAB
LAB*LAB 73.42 -26.18 -25.65
LAB*LABa 73.42 -26.83 -28.84
LAB*LABb 73.42 -26.83 -28.84
LAB*LABc 73.42 -26.83 -28.84

relative CIELAB lab*
lab*lab 0.714 -0.34 -0.365
lab*tch 0.714 -0.34 -0.365
lab*nch 0.0 0.5 0.631
relative Natural Colour (NC)
lab*tr 0.714 -0.34 -0.365
lab*tce 0.714 -0.34 -0.365
lab*nce 0.0 0.5 0.631

relative Inform. Technology (IT)
olv3* 0.25 0.75 0.75 (1.0)
cmyn3* 0.75 0.25 0.25 (0.0)
olv4* 0.5 0.5 0.5 0.75
cmyn4* 0.0 0.0 0.0 0.25
standard and adapted CIELAB
LAB*LAB 54.05 -26.0 -26.94
LAB*LABa 54.05 -26.83 -28.84
LAB*LABb 54.05 -26.83 -28.84
LAB*LABc 54.05 -26.83 -28.84

relative CIELAB lab*
lab*lab 0.464 -0.244 -0.435
lab*tch 0.464 -0.244 -0.435
lab*nch 0.0 0.5 0.631
relative Natural Colour (NC)
lab*tr 0.464 -0.244 -0.435
lab*tce 0.464 -0.244 -0.435
lab*nce 0.0 0.5 0.631

relative Inform. Technology (IT)
olv3* 0.0 0.75 0.75 (1.0)
cmyn3* 0.75 0.0 0.0 (0.0)
olv4* 0.5 0.5 0.5 0.5
cmyn4* 0.0 0.0 0.0 0.5
standard and adapted CIELAB
LAB*LAB 42.97 -39.31 -42.1
LAB*LABa 42.97 -40.25 -43.26
LAB*LABb 42.97 -40.25 -43.26
LAB*LABc 42.97 -40.25 -43.26

relative CIELAB lab*
lab*lab 0.321 -0.51 -0.548
lab*tch 0.321 -0.51 -0.548
lab*nch 0.0 0.5 0.631
relative Natural Colour (NC)
lab*tr 0.321 -0.51 -0.548
lab*tce 0.321 -0.51 -0.548
lab*nce 0.0 0.5 0.631

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.5 (1.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olv4* 0.5 0.5 0.5 0.5
cmyn4* 0.0 0.0 0.0 0.5
standard and adapted CIELAB
LAB*LAB 34.68 -25.81 -28.22
LAB*LABa 34.68 -26.83 -28.84
LAB*LABb 34.68 -26.83 -28.84
LAB*LABc 34.68 -26.83 -28.84

relative CIELAB lab*
lab*lab 0.214 -0.34 -0.365
lab*tch 0.214 -0.34 -0.365
lab*nch 0.0 0.5 0.631
relative Natural Colour (NC)
lab*tr 0.214 -0.34 -0.365
lab*tce 0.214 -0.34 -0.365
lab*nce 0.0 0.5 0.631

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 1.0
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*LABb 0.0 0.0 0.0
LAB*LABc 0.0 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*tr 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 195/360 = 0.543$

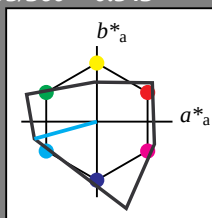
lab^*tch and lab^*nch

A: hue C

LCH*Ma: 78 86 195

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



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 95.41 0.0 0.0
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*tr 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 0.75
cmyn4* 0.0 0.0 0.0 0.25
standard and adapted CIELAB
LAB*LAB 71.57 0.0 0.0
LAB*LABa 71.57 0.0 0.0
LAB*LABb 71.57 0.0 0.0
LAB*LABc 71.57 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*tr 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 0.5
cmyn4* 0.0 0.0 0.0 0.5
standard and adapted CIELAB
LAB*LAB 51.25 -52.81 -55.97
LAB*LABa 51.25 -53.67 -57.82
LAB*LABb 51.25 -53.67 -57.82
LAB*LABc 51.25 -53.67 -57.82

relative CIELAB lab*
lab*lab 0.428 -0.68 -0.731
lab*tch 0.428 -0.68 -0.731
lab*nch 0.0 0.5 0.631
relative Natural Colour (NC)
lab*tr 0.428 -0.68 -0.731
lab*tce 0.428 -0.68 -0.731
lab*nce 0.0 0.5 0.631

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 0.25
cmyn4* 0.0 0.0 0.0 0.75
standard and adapted CIELAB
LAB*LAB 34.68 -25.81 -28.22
LAB*LABa 34.68 -26.83 -28.84
LAB*LABb 34.68 -26.83 -28.84
LAB*LABc 34.68 -26.83 -28.84

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*tr 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 0.0 0.0 (0.0)
olv4* 1.0 0.0 0.0 0.0
cmyn4* 0.0 0.0 0.0 1.0
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*LABb 0.0 0.0 0.0
LAB*LABc 0.0 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*tr 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 0.0 0.0 (0.0)
olv4* 1.0 0.0 0.0 0.0
cmyn4* 0.0 0.0 0.0 1.0
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*LABb 0.0 0.0 0.0
LAB*LABc 0.0 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*tr 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

TLS00; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	65.56	73.34	51.39	89.55	35
Y _{Ma}	94.78	-3.49	52.24	52.36	94
L _{Ma}	77.48	-92.97	36.0	99.71	159
C _{Ma}	78.36	-82.69	-22.74	85.77	195
V _{Ma}	12.55	38.81	-114.81	121.2	289
M _{Ma}	66.71	76.08	-29.8	81.71	339
N _{Ma}	0.01	0.0	0.0	0.0	0
W _{Ma}	95.41	0.0	0.0	0.0	0
RC _{IE}	47.79	61.74	42.56	74.99	35
J _{CIE}	83.82	7.06	70.78	71.13	84
G _{CIE}	49.0	-35.95	4.34	36.22	173
B _{CIE}	25.14	-17.24	-56.24	58.84	253

%Regularity

$g^*_{H,rel} = 39$

$g^*_{C,rel} = 43$

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 0.5
cmyn4* 0.5 0.5 0.5 0.5
standard and adapted CIELAB
LAB*LAB 86.88 -41.33 -11.36
LAB*LABa 86.88 -41.33 -11.36
LAB*LABb 86.88 -41.33 -11.36
LAB*LABc 86.88 -41.33 -11.36

relative CIELAB lab*
lab*lab 0.911 -0.481 -0.132
lab*tch 0.911 -0.481 -0.132
lab*nch 0.0 0.5 0.631
relative Natural Colour (NC)
lab*tr 0.911 -0.481 -0.132
lab*tce 0.911 -0.481 -0.132
lab*nce 0.0 0.5 0.631

relative Inform. Technology (IT)
olv3* 0.25 0.75 0.75 (1.0)
cmyn3* 0.75 0.25 0.25 (0.0)
olv4* 0.5 0.5 0.5 0.75
cmyn4* 0.0 0.0 0.0 0.25
standard and adapted CIELAB
LAB*LAB 63.04 -41.34 -11.37
LAB*LABa 63.04 -41.34 -11.37
LAB*LABb 63.04 -41.34 -11.37
LAB*LABc 63.04 -41.34 -11.37

relative CIELAB lab*
lab*lab 0.616 -0.722 -0.198
lab*tch 0.616 -0.722 -0.198
lab*nch 0.0 0.5 0.631
relative Natural Colour (NC)
lab*tr 0.616 -0.722 -0.198
lab*tce 0.616 -0.722 -0.198
lab*nce 0.0 0.5 0.631

relative Inform. Technology (IT)
olv3* 0.0 0.5 0.5 (1.0)
cmyn3* 0.5 0.0 0.0 (0.0)
olv4* 0.5 0.5 0.5 0.5
cmyn4* 0.0 0.0 0.0 0.5
standard and adapted CIELAB
LAB*LAB 39.19 -20.66 -5.68
LAB*LABa 39.19 -20.66 -5.68
LAB*LABb 39.19 -20.66 -5.68
LAB*LABc 39.19 -20.66 -5.68

relative CIELAB lab*
lab*lab 0.411 -0.481 -0.132
lab*tch 0.411 -0.481 -0.132
lab*nch 0.0 0.5 0.631
relative Natural Colour (NC)
lab*tr 0.411 -0.481 -0.132
lab*tce 0.411 -0.481 -0.132
lab*nce 0.0 0.5 0.631

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 1.0
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*LABb 0.0 0.0 0.0
LAB*LABc 0.0 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*tr 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 0.0 0.0 (0.0)
olv4* 1.0 0.0 0.0 0.0
cmyn4* 0.0 0.0 0.0 1.0
standard and adapted CIELAB
LAB*LAB 0.0 0.0 0.0
LAB*LABa 0.0 0.0 0.0
LAB*LABb 0.0 0.0 0.0
LAB*LABc 0.0 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*tr 0.0 0.0 0.0
lab*tce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

BAM-test chart SE50; Colorimetric systems ORS18 & ORS18

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

5 step scales for constant CIELAB hue 195/360 = 0.543 (right)

input: `cmY0* setcmykcolor`

output: `Startup (S) data dependend`

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 6/360 = 0.017$

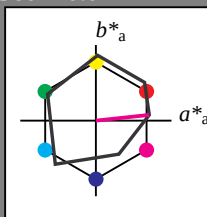
lab^*tch and lab^*nch

A: hue M

LCH*Ma: 56 71 6

olv*Ma: 1.0 0.0 1.0

triangle lightness t^*



$u^*_{rel} = 96$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
olvi3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
olvi4*	0.0	0.0	0.0	0.0
olvi4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	95.6	0.43	4.65
LAB*LAB	95.6	0.0	0.0
LAB*LAB	95.6	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

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

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
olvi3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
olvi4*	0.0	0.0	0.0	0.0
olvi4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	76.23	0.62	3.36
LAB*LAB	76.23	0.0	0.0
LAB*LAB	76.23	0.0	0.0

relative CIELAB lab*

lab*lab	0.75	0.75	0.75	(1.0)
lab*lab	0.25	0.25	0.25	(0.0)
lab*lab	1.0	1.0	1.0	1.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.75	0.75	0.75	(1.0)
lab*lab	0.25	0.25	0.25	(0.0)
lab*lab	1.0	1.0	1.0	1.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
olvi3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
olvi4*	0.0	0.0	0.0	0.0
olvi4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	56.86	0.8	2.08
LAB*LAB	56.86	0.0	0.0
LAB*LAB	56.86	0.0	0.0

relative CIELAB lab*

lab*lab	0.75	0.75	0.75	(1.0)
lab*lab	0.25	0.25	0.25	(0.0)
lab*lab	1.0	1.0	1.0	1.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.75	0.75	0.75	(1.0)
lab*lab	0.25	0.25	0.25	(0.0)
lab*lab	1.0	1.0	1.0	1.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
olvi3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
olvi4*	0.0	0.0	0.0	0.0
olvi4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	37.48	0.79	0.79
LAB*LAB	37.48	0.0	0.0
LAB*LAB	37.48	0.0	0.0

relative CIELAB lab*

lab*lab	0.75	0.75	0.75	(1.0)
lab*lab	0.25	0.25	0.25	(0.0)
lab*lab	1.0	1.0	1.0	1.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.75	0.75	0.75	(1.0)
lab*lab	0.25	0.25	0.25	(0.0)
lab*lab	1.0	1.0	1.0	1.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
olvi3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
olvi4*	0.0	0.0	0.0	0.0
olvi4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	18.12	0.0	0.0
LAB*LAB	18.12	0.0	0.0
LAB*LAB	18.12	0.0	0.0

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	(1.0)
lab*lab	0.0	0.0	0.0	(0.0)
lab*lab	1.0	1.0	1.0	1.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.0	0.0	0.0	(1.0)
lab*lab	0.0	0.0	0.0	(0.0)
lab*lab	1.0	1.0	1.0	1.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.0	0.0	0.0	(1.0)
olvi3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
olvi4*	0.0	0.0	0.0	0.0
olvi4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	0.01	0.01	0.01
LAB*LAB	0.01	0.01	0.01
LAB*LAB	0.01	0.01	0.01

relative CIELAB lab*

lab*lab	0.0	0.0	0.0	(1.0)
lab*lab	0.0	0.0	0.0	(0.0)
lab*lab	1.0	1.0	1.0	1.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.0	0.0	0.0	(1.0)
lab*lab	0.0	0.0	0.0	(0.0)
lab*lab	1.0	1.0	1.0	1.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0

ORS18; adapted (a) CIELAB data

	$L^*=L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	64.42	50.58	81.9	38
Y _{Ma}	92.62	2.41	86.36	86.39	88
L _{Ma}	50.9	-63.82	35.02	72.81	151
C _{Ma}	51.25	-53.68	-57.69	78.82	227
V _{Ma}	25.72	30.34	-44.37	53.76	304
M _{Ma}	56.25	70.59	7.57	70.99	6
N _{Ma}	18.11	0.0	0.0	0.0	0
W _{Ma}	95.6	0.0	0.0	0.0	0
R _{CIE}	47.79	60.85	41.08	73.41	34
J _{CIE}	83.82	6.52	66.9	67.22	84
G _{CIE}	49.0	-36.83	2.78	36.95	176
B _{CIE}	25.14	-18.35	-56.22	59.15	252

%Regularity

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

relative Inform. Technology (IT)

olvi3*	1.0	0.5	1.0	(1.0)
olvi3*	0.0	0.5	0.0	(0.0)
olvi4*	1.0	0.5	1.0	1.0
olvi4*	0.0	0.5	0.0	0.0
olvi4*	0.0	0.5	0.0	0.0

standard and adapted CIELAB

LAB*LAB	75.92	35.91	7.13
LAB*LAB	75.92	0.0	0.0
LAB*LAB	75.92	0.0	0.0

relative CIELAB lab*

lab*lab	0.75	0.75	0.75	(1.0)
lab*lab	0.25	0.25	0.25	(0.0)
lab*lab	1.0	1.0	1.0	1.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.75	0.75	0.75	(1.0)
lab*lab	0.25	0.25	0.25	(0.0)
lab*lab	1.0	1.0	1.0	1.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	1.0	0.5	1.0	(1.0)
olvi3*	0.0	0.5	0.0	(0.0)
olvi4*	1.0	0.5	1.0	1.0
olvi4*	0.0	0.5	0.0	0.0
olvi4*	0.0	0.5	0.0	0.0

standard and adapted CIELAB

LAB*LAB	66.08	53.65	8.27
LAB*LAB	66.08	0.0	0.0
LAB*LAB	66.08	0.0	0.0

relative CIELAB lab*

lab*lab	0.75	0.75	0.75	(1.0)
lab*lab	0.25	0.25	0.25	(0.0)
lab*lab	1.0	1.0	1.0	1.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.75	0.75	0.75	(1.0)
lab*lab	0.25	0.25	0.25	(0.0)
lab*lab	1.0	1.0	1.0	1.0
lab*lab	0.0	0.0	0.0	0.0
lab*lab	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.5	0.5	0.5	(1.0)
olvi3*	0.0	0.5	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
olvi4*	0.0	1.0	0.0	0.0
olvi4*	0.0	1.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	56.25	71.39	9.61
LAB*LAB	56.25	0.0	0.0
LAB*LAB	56.25	0.0	0.0

relative CIELAB lab*

lab*lab	0.5	0.5	0.5	(1.0)
lab*lab	0.0	0.5	0.0	(0.0)
lab*lab	1.0	1.0	1.0	1.0
lab*lab	0.0	1.0	0.0	0.0
lab*lab	0.0	1.0	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.5	0.5	0.5	(1.0)
lab*lab	0.0	0.5	0.0	(0.0)
lab*lab	1.0	1.0	1.0	1.0
lab*lab	0.0	1.0	0.0	0.0
lab*lab	0.0	1.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
olvi3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
olvi4*	0.0	1.0	0.0	0.0
olvi4*	0.0	1.0	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	47.72	0.0	0.0

relative CIELAB lab*

lab*lab	0.75	0.75	0.75	(1.0)
lab*lab	0.25	0.25	0.25	(0.0)
lab*lab	1.0	1.0	1.0	1.0
lab*lab	0.0	1.0	0.0	0.0
lab*lab	0.0	1.0	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.75	0.75	0.75	(1.0)
lab*lab	0.25	0.25	0.25	(0.0)
lab*lab	1.0	1.0	1.0	1.0
lab*lab	0.0	1.0	0.0	0.0
lab*lab	0.0	1.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	1.0	0.0	1.0	(1.0)
olvi3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	0.0	1.0	1.0
olvi4*	0.0	0.0	0.0	0.0
olvi4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	66.71	76.06	-29.79
LAB*LAB	66.71	0.0	0.0
LAB*LAB	66.71	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
olvi3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
olvi4*	0.0	1.0	0.0	0.0
olvi4*	0.0	1.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	56.55	36.1	5.85
LAB*LAB	56.55	0.0	0.0
LAB*LAB	56.55	0.0	0.0

relative CIELAB lab*

lab*lab	0.75	0.75	0.75	(1.0)
lab*lab	0.25	0.25	0.25	(0.0)
lab*lab	1.0	1.0	1.0	1.0
lab*lab	0.0	1.0	0.0	0.0
lab*lab	0.0	1.0	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.75	0.75	0.75	(1.0)
lab*lab	0.25	0.25	0.25	(0.0)
lab*lab	1.0	1.0	1.0	1.0
lab*lab	0.0	1.0	0.0	0.0
lab*lab	0.0	1.0	0.0	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.75	0.75	(1.0)
olvi3*	0.25	0.25	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
olvi4*	0.0	1.0	0.0	0.0
olvi4*	0.0	1.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	46.72	53.64	7.08
LAB*LAB	46.72	0.0	0.0
LAB*LAB	46.72	0.0	0.0

relative Inform. Technology (				
olvi3*	0.5	0.5	0.5	(
cmyn3*	0.5	0.5	0.5	(
olvi4*	1.0	1.0	1.0	(
cmyn4*	0.0	0.0	0.0	(
standard and adapted CIELA				
LAB*LAB	47.72	0.0	0.0	
LAB*LABa	47.72	0.0	0.0	
LAB*TCHa	50.0	0.01		

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab \cdot h = 34/360 = 0.095$

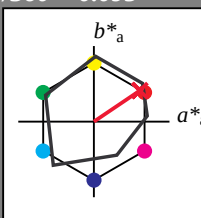
$lab \cdot tch$ and $lab \cdot nch$

A: hue R

LCH*Ma: 49 79 34

olv*Ma: 1.0 0.0 0.15

triangle lightness t^*



$u^*_{rel} = 96$

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	95.6	0.43	4.65	
LAB*LAB	95.6	0.0	0.0	
LAB*LAB	99.9	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	
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	
lab*lab	1.0	0.0	0.0	

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(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	76.23	0.62	3.36	
LAB*LAB	76.23	0.0	0.0	
LAB*LAB	75.0	0.01	0.0	

relative CIELAB lab*

lab*lab	0.85	0.20	0.14	
lab*lab	0.875	0.25	0.095	
lab*lab	0.875	0.25	0.095	
lab*lab	0.875	0.25	0.095	
lab*lab	0.875	0.25	0.095	
lab*lab	0.875	0.25	0.095	
lab*lab	0.875	0.25	0.095	
lab*lab	0.875	0.25	0.095	
lab*lab	0.875	0.25	0.095	
lab*lab	0.875	0.25	0.095	

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(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	56.86	0.8	2.08	
LAB*LAB	56.86	0.0	0.0	
LAB*LAB	50.0	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	
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
lab*lab	0.5	0.0	0.0	
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	(1.0)
olv3*	0.75	0.75	0.75	(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	37.49	0.79	1.79	
LAB*LAB	37.49	0.0	0.0	
LAB*LAB	25.0	0.01	0.0	

relative CIELAB lab*

lab*lab	0.35	0.20	0.14	
lab*lab	0.375	0.25	0.095	
lab*lab	0.375	0.25	0.095	
lab*lab	0.375	0.25	0.095	
lab*lab	0.375	0.25	0.095	
lab*lab	0.375	0.25	0.095	
lab*lab	0.375	0.25	0.095	
lab*lab	0.375	0.25	0.095	
lab*lab	0.375	0.25	0.095	
lab*lab	0.375	0.25	0.095	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
olv3*	1.0	1.0	1.0	(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	18.12	0.8	4.9	
LAB*LAB	18.12	0.0	0.0	
LAB*LAB	0.01	0.01	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	
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 Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
olv3*	1.0	1.0	1.0	(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	
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	

ORS18; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma}	47.94	64.42	50.58	81.9	38
Y _{Ma}	92.62	2.41	86.36	86.39	88
L _{Ma}	50.9	-63.82	35.02	72.81	151
C _{Ma}	51.25	-53.68	-57.69	78.82	227
V _{Ma}	25.72	30.34	-44.37	53.76	304
M _{Ma}	56.25	70.59	7.57	70.99	6
N _{Ma}	18.11	0.0	0.0	0.0	0
W _{Ma}	95.6	0.0	0.0	0.0	0
RC _{IE}	47.79	60.85	41.08	73.41	34
J _{CIE}	83.82	6.52	66.9	67.22	84
G _{CIE}	49.0	-36.83	2.78	36.95	176
B _{CIE}	25.14	-18.35	-56.22	59.15	252

%Regularity

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

relative Inform. Technology (IT)

olv3*	1.0	0.5	0.575	(1.0)
olv3*	0.0	0.5	0.575	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	1.0	1.0	(0.0)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	1.0	1.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	72.39	33.32	25.17	
LAB*LAB	72.39	32.67	22.05	
LAB*LAB	75.0	39.41	34.02	

relative CIELAB lab*

lab*lab	0.7	0.414	0.28	
lab*lab	0.75	0.5	0.095	
lab*lab	0.75	0.5	0.095	
lab*lab	0.75	0.5	0.095	
lab*lab	0.75	0.5	0.095	
lab*lab	0.75	0.5	0.095	
lab*lab	0.75	0.5	0.095	
lab*lab	0.75	0.5	0.095	
lab*lab	0.75	0.5	0.095	
lab*lab	0.75	0.5	0.095	

relative Inform. Technology (IT)

olv3*	0.75	0.25	0.325	(1.0)
olv3*	0.25	0.75	0.675	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	1.0	1.0	(0.0)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	1.0	1.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	53.02	33.52	23.89	
LAB*LAB	53.02	32.67	22.06	
LAB*LAB	50.0	39.42	34.02	

relative CIELAB lab*

lab*lab	0.51	0.622	0.42	
lab*lab	0.625	0.75	0.095	
lab*lab	0.625	0.75	0.095	
lab*lab	0.625	0.75	0.095	
lab*lab	0.625	0.75	0.095	
lab*lab	0.625	0.75	0.095	
lab*lab	0.625	0.75	0.095	
lab*lab	0.625	0.75	0.095	
lab*lab	0.625	0.75	0.095	
lab*lab	0.625	0.75	0.095	

relative Inform. Technology (IT)

olv3*	0.5	0.0	0.15	(1.0)
olv3*	0.25	0.75	0.675	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	1.0	1.0	(0.0)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	1.0	1.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	49.15	66.21	45.68	
LAB*LAB	49.15	65.33	44.11	
LAB*LAB	50.0	78.83	34.02	

relative CIELAB lab*

lab*lab	0.401	0.829	0.559	
lab*lab	0.5	1.0	0.095	
lab*lab	0.5	1.0	0.095	
lab*lab	0.5	1.0	0.095	
lab*lab	0.5	1.0	0.095	
lab*lab	0.5	1.0	0.095	
lab*lab	0.5	1.0	0.095	
lab*lab	0.5	1.0	0.095	
lab*lab	0.5	1.0	0.095	
lab*lab	0.5	1.0	0.095	

relative Inform. Technology (IT)

olv3*	0.25	0.0	0.15	(1.0)
olv3*	0.0	0.25	0.675	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	1.0	1.0	(0.0)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	1.0	1.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	33.65	32.7	22.06	
LAB*LAB	33.65	32.67	22.06	
LAB*LAB	25.01	39.42	34.03	

relative CIELAB lab*

lab*lab	0.201	0.414	0.28	
lab*lab	0.25	0.5	0.095	
lab*lab	0.25	0.5	0.095	
lab*lab	0.25	0.5	0.095	
lab*lab	0.25	0.5	0.095	
lab*lab	0.25	0.5	0.095	
lab*lab	0.25	0.5	0.095	
lab*lab	0.25	0.5	0.095	
lab*lab	0.25	0.5	0.095	
lab*lab	0.25	0.5	0.095	

relative Inform. Technology (IT)

olv3*	0.0	0.0	0.0	(1.0)
olv3*	1.0	1.0	1.0	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	1.0	1.0	(0.0)
olv5*	1.0	1.0	1.0	(1.0)
olv5*	0.0	1.0	1.0	(0.0)
standard and adapted CIELAB				
LAB*LAB	25.88	17.43	11.05	
LAB*LAB	25.88	16.33	11.03	
LAB*LAB	12.5	19.7	34.03	

relative CIELAB lab*

lab*lab	0.1	0.207	0.14	
lab*lab	0.125	0.25	0.095	
lab*lab	0.125	0.25	0.095	
lab*lab	0.125	0.25	0.095	
lab*lab	0.125	0.25	0.095	
lab*lab	0.125	0.25	0.095	
lab*lab	0.125	0.25	0.095	
lab*lab	0.125	0.25	0.095	
lab*lab	0.125	0.25	0.095	
lab*lab	0.125	0.25	0.095	

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab \cdot h = 35/360 = 0.096$

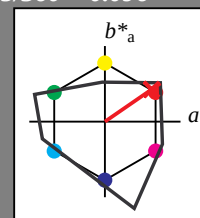
$lab \cdot tch$ and $lab \cdot nch$

A: hue R

LCH*Ma: 66 89 35

olv*Ma: 1.0 0.0 0.01

triangle lightness t^*



Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 84/360 = 0.235$

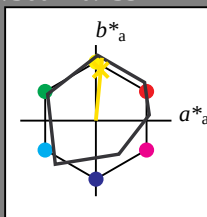
lab^*tch and lab^*nch

A: hue J

LCH*Ma: 89 83 84

olv*Ma: 1.0 0.91 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	64.42	50.58	81.9	38
Y _{Ma}	92.62	2.41	86.36	86.39	88
L _{Ma}	50.9	-63.82	35.02	72.81	151
C _{Ma}	51.25	-53.68	-57.69	78.82	227
V _{Ma}	25.72	30.34	-44.37	53.76	304
M _{Ma}	56.25	70.59	7.57	70.99	6
N _{Ma}	18.11	0.0	0.0	0.0	0
W _{Ma}	95.6	0.0	0.0	0.0	0
R _{CIE}	47.79	60.85	41.08	73.41	34
J _{CIE}	83.82	6.52	66.9	67.22	84
G _{CIE}	49.0	-36.83	2.78	36.95	176
B _{CIE}	25.14	-18.35	-56.22	59.15	252

%Regularity

$g^*_{H,rel} = -385$

$g^*_{C,rel} = 62$

relative Inform. Technology (IT)

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

relative Inform. Technology (IT)

olv3*	1.0	0.977	0.75	(1.0)
olv4*	0.0	0.023	0.25	(0.0)
olv5*	0.0	0.023	0.25	(0.0)
olv6*	0.0	0.023	0.25	(0.0)
olv7*	0.0	0.023	0.25	(0.0)
olv8*	0.0	0.023	0.25	(0.0)
olv9*	0.0	0.023	0.25	(0.0)
olv10*	0.0	0.023	0.25	(0.0)
olv11*	0.0	0.023	0.25	(0.0)
olv12*	0.0	0.023	0.25	(0.0)
olv13*	0.0	0.023	0.25	(0.0)
olv14*	0.0	0.023	0.25	(0.0)
olv15*	0.0	0.023	0.25	(0.0)
olv16*	0.0	0.023	0.25	(0.0)
olv17*	0.0	0.023	0.25	(0.0)
olv18*	0.0	0.023	0.25	(0.0)
olv19*	0.0	0.023	0.25	(0.0)
olv20*	0.0	0.023	0.25	(0.0)
olv21*	0.0	0.023	0.25	(0.0)
olv22*	0.0	0.023	0.25	(0.0)
olv23*	0.0	0.023	0.25	(0.0)
olv24*	0.0	0.023	0.25	(0.0)
olv25*	0.0	0.023	0.25	(0.0)
olv26*	0.0	0.023	0.25	(0.0)
olv27*	0.0	0.023	0.25	(0.0)
olv28*	0.0	0.023	0.25	(0.0)
olv29*	0.0	0.023	0.25	(0.0)
olv30*	0.0	0.023	0.25	(0.0)
olv31*	0.0	0.023	0.25	(0.0)
olv32*	0.0	0.023	0.25	(0.0)
olv33*	0.0	0.023	0.25	(0.0)
olv34*	0.0	0.023	0.25	(0.0)
olv35*	0.0	0.023	0.25	(0.0)
olv36*	0.0	0.023	0.25	(0.0)
olv37*	0.0	0.023	0.25	(0.0)
olv38*	0.0	0.023	0.25	(0.0)
olv39*	0.0	0.023	0.25	(0.0)
olv40*	0.0	0.023	0.25	(0.0)
olv41*	0.0	0.023	0.25	(0.0)
olv42*	0.0	0.023	0.25	(0.0)
olv43*	0.0	0.023	0.25	(0.0)
olv44*	0.0	0.023	0.25	(0.0)
olv45*	0.0	0.023	0.25	(0.0)
olv46*	0.0	0.023	0.25	(0.0)
olv47*	0.0	0.023	0.25	(0.0)
olv48*	0.0	0.023	0.25	(0.0)
olv49*	0.0	0.023	0.25	(0.0)
olv50*	0.0	0.023	0.25	(0.0)
olv51*	0.0	0.023	0.25	(0.0)
olv52*	0.0	0.023	0.25	(0.0)
olv53*	0.0	0.023	0.25	(0.0)
olv54*	0.0	0.023	0.25	(0.0)
olv55*	0.0	0.023	0.25	(0.0)
olv56*	0.0	0.023	0.25	(0.0)
olv57*	0.0	0.023	0.25	(0.0)
olv58*	0.0	0.023	0.25	(0.0)
olv59*	0.0	0.023	0.25	(0.0)
olv60*	0.0	0.023	0.25	(0.0)
olv61*	0.0	0.023	0.25	(0.0)
olv62*	0.0	0.023	0.25	(0.0)
olv63*	0.0	0.023	0.25	(0.0)
olv64*	0.0	0.023	0.25	(0.0)
olv65*	0.0	0.023	0.25	(0.0)
olv66*	0.0	0.023	0.25	(0.0)
olv67*	0.0	0.023	0.25	(0.0)
olv68*	0.0	0.023	0.25	(0.0)
olv69*	0.0	0.023	0.25	(0.0)
olv70*	0.0	0.023	0.25	(0.0)
olv71*	0.0	0.023	0.25	(0.0)
olv72*	0.0	0.023	0.25	(0.0)
olv73*	0.0	0.023	0.25	(0.0)
olv74*	0.0	0.023	0.25	(0.0)
olv75*	0.0	0.023	0.25	(0.0)
olv76*	0.0	0.023	0.25	(0.0)
olv77*	0.0	0.023	0.25	(0.0)
olv78*	0.0	0.023	0.25	(0.0)
olv79*	0.0	0.023	0.25	(0.0)
olv80*	0.0	0.023	0.25	(0.0)
olv81*	0.0	0.023	0.25	(0.0)
olv82*	0.0	0.023	0.25	(0.0)
olv83*	0.0	0.023	0.25	(0.0)
olv84*	0.0	0.023	0.25	(0.0)
olv85*	0.0	0.023	0.25	(0.0)
olv86*	0.0	0.023	0.25	(0.0)
olv87*	0.0	0.023	0.25	(0.0)
olv88*	0.0	0.023	0.25	(0.0)
olv89*	0.0	0.023	0.25	(0.0)
olv90*	0.0	0.023	0.25	(0.0)
olv91*	0.0	0.023	0.25	(0.0)
olv92*	0.0	0.023	0.25	(0.0)
olv93*	0.0	0.023	0.25	(0.0)
olv94*	0.0	0.023	0.25	(0.0)
olv95*	0.0	0.023	0.25	(0.0)
olv96*	0.0	0.023	0.25	(0.0)
olv97*	0.0	0.023	0.25	(0.0)
olv98*	0.0	0.023	0.25	(0.0)
olv99*	0.0	0.023	0.25	(0.0)
olv100*	0.0	0.023	0.25	(0.0)

relative CIELAB lab*			
lab*lab	0.977	0.024	0.249
lab*tch	0.875	0.25	0.235
lab*nch	0.0	0.25	0.235
relative Natural Colour (NC)			
lab*lrj	0.977	0.0	0.25
lab*tce	0.875	0.25	0.25
lab*nce	0.0	0.25	j00g

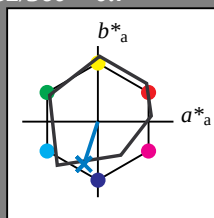
Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 252/360 = 0.7$ lab^*tch and lab^*nch

A: hue B

LCH*Ma: 40 55 252

olv*Ma: 0.0 0.56 1.0

triangle lightness t^* 

% Gamut

 $u^*_{rel} = 96$

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*	0.0	0.0	0.0	(0.0)
olv5*	0.0	0.0	0.0	(0.0)
LAB*LAB	95.6	0.43	4.65	
LAB*LAB	95.6	0.0	0.0	
LAB*LAB	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	1.0	
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	
lab*trj	0.0	0.0	0.0	
lab*trj	0.0	0.0	0.0	

relative Natural Colour (NC)

lab*lab	1.0	0.0	0.0	
lab*tch	0.0	1.0	0.0	
lab*nch	0.0	0.0	1.0	
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	
lab*trj	0.0	0.0	0.0	
lab*trj	0.0	0.0	0.0	

standard and adapted CIELAB

LAB*LAB	76.23	0.62	3.36	
LAB*LAB	76.23	0.0	0.0	
LAB*LAB	75.00	0.01	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	0.75	
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	
lab*trj	0.0	0.0	0.0	

relative Natural Colour (NC)

lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	0.0	
lab*nch	0.0	0.0	0.75	
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	
lab*trj	0.0	0.0	0.0	

standard and adapted CIELAB

LAB*LAB	76.23	0.62	3.36	
LAB*LAB	76.23	0.0	0.0	
LAB*LAB	75.00	0.01	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	0.75	
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	
lab*trj	0.0	0.0	0.0	

relative Natural Colour (NC)

lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	0.0	
lab*nch	0.0	0.0	0.75	
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	
lab*trj	0.0	0.0	0.0	

standard and adapted CIELAB

LAB*LAB	76.23	0.62	3.36	
LAB*LAB	76.23	0.0	0.0	
LAB*LAB	75.00	0.01	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	0.75	
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	
lab*trj	0.0	0.0	0.0	

relative Natural Colour (NC)

lab*lab	0.75	0.0	0.0	
lab*tch	0.75	0.0	0.0	
lab*nch	0.0	0.0	0.75	
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	
lab*trj	0.0	0.0	0.0	

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	0.0	0.0	0.0	(0.0)
olv5*	0.0	0.0	0.0	(0.0)
LAB*LAB	95.6	0.43	4.65	
LAB*LAB	95.6	0.0	0.0	
LAB*LAB	99.99	0.01	0.0	

relative CIELAB lab*

lab*lab	0.821	0.0	-0.237	
lab*tch	0.875	0.25	0.7	
lab*nch	0.0	0.25	0.7	
lab*trj	0.821	0.0	-0.249	
lab*trj	0.875	0.25	0.7	
lab*trj	0.821	0.0	-0.249	
lab*trj	0.875	0.25	0.7	
lab*trj	0.821	0.0	-0.249	
lab*trj	0.875	0.25	0.7	
lab*trj	0.821	0.0	-0.249	

relative Natural Colour (NC)

lab*lab	0.821	0.0	-0.249	
lab*tch	0.875	0.25	0.7	
lab*nch	0.0	0.25	0.7	
lab*trj	0.821	0.0	-0.249	
lab*trj	0.875	0.25	0.7	
lab*trj	0.821	0.0	-0.249	
lab*trj	0.875	0.25	0.7	
lab*trj	0.821	0.0	-0.249	
lab*trj	0.875	0.25	0.7	
lab*trj	0.821	0.0	-0.249	

standard and adapted CIELAB

LAB*LAB	95.6	0.43	4.65	
LAB*LAB	95.6	0.0	0.0	
LAB*LAB	99.99	0.01	0.0	

relative CIELAB lab*

lab*lab	0.821	0.0	-0.237	
lab*tch	0.875	0.25	0.7	
lab*nch	0.0	0.25	0.7	
lab*trj	0.821	0.0	-0.249	
lab*trj	0.875	0.25	0.7	
lab*trj	0.821	0.0	-0.249	
lab*trj	0.875	0.25	0.7	
lab*trj	0.821	0.0	-0.249	
lab*trj	0.875	0.25	0.7	
lab*trj	0.821	0.0	-0.249	

relative Natural Colour (NC)

lab*lab	0.821	0.0	-0.249	
lab*tch	0.875	0.25	0.7	
lab*nch	0.0	0.25	0.7	
lab*trj	0.821	0.0	-0.249	
lab*trj	0.875	0.25	0.7	
lab*trj	0.821	0.0	-0.249	
lab*trj	0.875	0.25	0.7	
lab*trj	0.821	0.0	-0.249	
lab*trj	0.875	0.25	0.7	
lab*trj	0.821	0.0	-0.249	

standard and adapted CIELAB

LAB*LAB	95.6	0.43	4.65	
LAB*LAB	95.6	0.0	0.0	
LAB*LAB	99.99	0.01	0.0	

relative CIELAB lab*

lab*lab	0.821	0.0	-0.237	
lab*tch	0.875	0.25	0.7	
lab*nch	0.0	0.25	0.7	
lab*trj	0.821	0.0	-0.249	
lab*trj	0.875	0.25	0.7	
lab*trj	0.821	0.0	-0.249	
lab*trj	0.875	0.25	0.7	
lab*trj	0.821	0.0	-0.249	
lab*trj	0.875	0.25	0.7	
lab*trj	0.821	0.0	-0.249	

relative Natural Colour (NC)

lab*lab	0.821	0.0	-0.249	
lab*tch	0.875	0.25	0.7	
lab*nch	0.0	0.25	0.7	
lab*trj	0.821	0.0	-0.249	
lab*trj	0.875	0.25	0.7	
lab*trj	0.821	0.0	-0.249	
lab*trj	0.875	0.25	0.7	
lab*trj	0.821	0.0	-0.249	
lab*trj	0.875	0.25	0.7	
lab*trj	0.821	0.0	-0.249	

standard and adapted CIELAB

LAB*LAB	95.6	0.43	4.65	
LAB*LAB	95.6	0.0	0.0	
LAB*LAB	99.99	0.01	0.0	

relative CIELAB lab*

lab*lab	0.821	0.0	-0.237	
lab*tch	0.875	0.25	0.7	
lab*nch	0.0	0.25	0.7	
lab*trj	0.821	0.0	-0.249	
lab*trj	0.875	0.25	0.7	
lab*trj	0.821	0.0	-0.249	
lab*trj	0.875	0.25	0.7	
lab*trj	0.821	0.0	-0.249	
lab*trj	0.875	0.25	0.7	
lab*trj	0.821	0.0	-0.249	

relative Natural Colour (NC)

lab*lab	0.821	0.0	-0.249	
lab*tch	0.875	0.25	0.7	
lab*nch	0.0	0.25	0.7	
lab*trj	0.821	0.0	-0.249	
lab*trj	0.875	0.25	0.7	
lab*trj	0.821	0.0	-0.249	
lab*trj	0.875	0.25	0.7	
lab*trj	0.821	0.0	-0.249	
lab*trj	0.875	0.25	0.7	
lab*trj	0.821	0.0	-0.249	

ORS18; adapted (a) CIELAB data

$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
O _{Ma} 47.94	64.42	50.58	81.9	38
Y _{Ma} 92.62	2.41	86.36	86.39	88
L _{Ma} 50.9	-63.82	35.02	72.81	151
C _{Ma} 51.25	-53.68	-57.69	78.82	227
V _{Ma} 25.72	30.34	-44.37	53.76	304
M _{Ma} 56.25	70.59	7.57	70.99	6
N _{Ma} 18.11	0.0	0.0	0.0	0
W _{Ma} 95.6	0.0	0.0	0.0	0
RC _{IE} 47.79	60.85	41.08	73.41	34
J _{CIE} 83.82	6.52	66.9	67.22	84
G _{CIE} 49.0	-36.83	2.78	36.95	176
B _{CIE} 25.14	-18.35	-56.22	59.15	252

% Regularity

 $g^*_{H,rel} = -385$ $g^*_{C,rel} = 62$

relative Inform. Technology (IT)

olv3*	0.75	0.75	0.75	(1.0)
olv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	(1.0)
olv4*	0.0	0.0	0.0	(0.0)
olv5*	0.0	0.0	0.0	(0.0)
olv5*	0.0	0.0	0.0	(0.0)
LAB*LAB	95.6	0.43	4.65	
LAB*LAB	95.6	0.0	0.0	
LAB*LAB	99.99	0.01	0.0	

relative CIELAB lab*

lab*lab	0.642	-0.154	-0.474	
lab*tch	0.75	0.0	0.7	
lab*nch	0.0	0.0	0.7	
lab*trj	0.642	0.0	-0.499	
lab*trj	0.75	0.0	0.7	
lab*trj	0.642	0.0	-0.499	
lab*trj	0.75	0.0	0.7	
lab*trj	0.642	0.0	-0.499	
lab*trj	0.75	0.0	0.7	
lab*trj	0.642	0.0	-0.499	

relative Natural Colour (NC)

lab*lab	0.642	
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