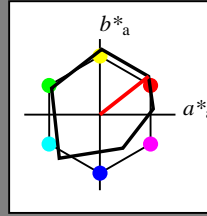


Input: Colorimetric Offset Reflective System ORS18

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

A: 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	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)

ohv3*	1.0	1.0	1.0	(1.0)
cmv3*	0.0	0.0	0.0	(0.0)
olv4*	1.0	1.0	1.0	1.0
cmv4*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	95.6	0.43	0.65
LAB*LAB	95.6	0.0	0.0
LAB*LAB	99.99	0.01	0.0

relative Inform. Technology (IT)

ohv3*	1.0	0.75	0.75	(1.0)
cmv3*	0.0	0.25	0.25	(0.0)
olv4*	1.0	0.75	0.75	1.0
cmv4*	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	87.5	20.47	38.14

relative Inform. Technology (IT)

ohv3*	1.0	0.5	0.5	(1.0)
cmv3*	0.0	0.5	0.5	(0.0)
olv4*	1.0	0.5	0.5	1.0
cmv4*	0.0	0.5	0.5	0.0

standard and adapted CIELAB

LAB*LAB	71.77	32.26	28.36
LAB*LAB	71.77	32.2	25.28
LAB*LAB	75.0	40.94	38.14

relative Inform. Technology (IT)

ohv3*	1.0	0.25	0.25	(1.0)
cmv3*	0.0	0.75	0.75	(0.0)
olv4*	1.0	0.25	0.25	1.0
cmv4*	0.0	0.75	0.75	0.0

standard and adapted CIELAB

LAB*LAB	59.85	49.08	40.21
LAB*LAB	59.85	48.31	37.93
LAB*LAB	62.5	61.42	38.14

relative Inform. Technology (IT)

ohv3*	1.0	0.0	0.0	(1.0)
cmv3*	0.0	1.0	1.0	(0.0)
olv4*	1.0	0.0	0.0	1.0
cmv4*	0.0	1.0	1.0	0.0

standard and adapted CIELAB

LAB*LAB	47.94	65.3	52.06
LAB*LAB	47.94	64.41	50.57
LAB*LAB	50.0	81.89	38.14

relative Inform. Technology (IT)

ohv3*	0.5	0.5	0.5	(0.0)
cmv3*	0.5	0.5	0.5	(0.0)
olv4*	1.0	1.0	1.0	0.5
cmv4*	0.5	0.5	0.5	0.5

standard and adapted CIELAB

LAB*LAB	47.94	65.3	52.06
LAB*LAB	47.94	64.41	50.57
LAB*LAB	50.0	81.89	38.14

relative Inform. Technology (IT)

ohv3*	0.75	0.75	0.75	(1.0)
cmv3*	0.25	0.25	0.25	(0.0)
olv4*	1.0	1.0	1.0	0.75
cmv4*	0.0	0.0	0.0	0.25

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 Inform. Technology (IT)

ohv3*	0.75	0.5	0.5	(1.0)
cmv3*	0.25	0.5	0.5	(0.0)
olv4*	1.0	0.75	0.75	0.75
cmv4*	0.0	0.25	0.25	0.25

standard and adapted CIELAB

LAB*LAB	64.31	16.84	15.22
LAB*LAB	64.31	16.1	12.64
LAB*LAB	62.5	20.48	38.14

relative Inform. Technology (IT)

ohv3*	0.75	0.25	0.25	(1.0)
cmv3*	0.25	0.75	0.75	(0.0)
olv4*	1.0	0.5	0.5	0.75
cmv4*	0.0	0.5	0.5	0.25

standard and adapted CIELAB

LAB*LAB	52.4	33.06	27.08
LAB*LAB	52.4	32.21	25.29
LAB*LAB	50.0	40.95	38.14

relative Inform. Technology (IT)

ohv3*	0.5	0.5	0.5	(0.0)
cmv3*	0.5	0.5	0.5	(0.0)
olv4*	1.0	0.0	0.0	0.5
cmv4*	0.5	0.5	0.5	0.5

standard and adapted CIELAB

LAB*LAB	47.94	65.3	52.06
LAB*LAB	47.94	64.41	50.57
LAB*LAB	50.0	81.89	38.14

relative Inform. Technology (IT)

ohv3*	1.0	0.0	0.0	(1.0)
cmv3*	0.0	1.0	1.0	(0.0)
olv4*	1.0	0.0	0.0	1.0
cmv4*	0.0	1.0	1.0	0.0

standard and adapted CIELAB

LAB*LAB	47.94	65.3	52.06
LAB*LAB	47.94	64.41	50.57
LAB*LAB	50.0	81.89	38.14

relative Inform. Technology (IT)

ohv3*	0.75	0.25	0.25	(1.0)
cmv3*	0.25	0.75	0.75	(0.0)
olv4*	1.0	0.5	0.5	0.75
cmv4*	0.0	0.5	0.5	0.25

standard and adapted CIELAB

LAB*LAB	47.94	65.3	52.06
LAB*LAB	47.94	64.41	50.57
LAB*LAB	50.0	81.89	38.14

relative Inform. Technology (IT)

ohv3*	0.5	0.5	0.5	(0.0)
cmv3*	0.5	0.5	0.5	(0.0)
olv4*	1.0	1.0	1.0	0.5
cmv4*	0.0	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	56.86	0.2	2.08
LAB*LAB	56.86	0.0	0.0
LAB*LAB	50.0	0.01	0.0

relative Inform. Technology (IT)

ohv3*	0.5	0.25	0.25	(1.0)
cmv3*	0.25	0.75	0.75	(0.0)
olv4*	1.0	0.5	0.5	0.75
cmv4*	0.0	0.25	0.25	0.25

standard and adapted CIELAB

LAB*LAB	44.24	17.02	13.94
LAB*LAB	44.24	16.1	12.64
LAB*LAB	37.5	20.48	38.14

relative Inform. Technology (IT)

ohv3*	0.75	0.0	0.0	(1.0)
cmv3*	0.25	1.0	1.0	(0.0)
olv4*	1.0	0.0	0.0	0.75
cmv4*	0.0	1.0	1.0	0.25

standard and adapted CIELAB

LAB*LAB	47.94	65.3	52.06
LAB*LAB	47.94	64.41	50.57
LAB*LAB	50.0	81.89	38.14

relative Inform. Technology (IT)

ohv3*	0.5	0.0	0.0	(1.0)
cmv3*	0.5	0.0	0.0	(0.0)
olv4*	1.0	0.0	0.0	0.5
cmv4*	0.5	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	47.94	65.3	52.06
LAB*LAB	47.94	64.41	50.57
LAB*LAB	50.0	81.89	38.14

relative Inform. Technology (IT)

ohv3*	0.5	0.5	0.5	(0.0)
cmv3*	0.5	0.5	0.5	(0.0)
olv4*	1.0	1.0	1.0	0.5
cmv4*	0.5	0.5	0.5	0.5

standard and adapted CIELAB

LAB*LAB	47.94	65.3	52.06
LAB*LAB	47.94	64.41	50.57
LAB*LAB	50.0	81.89	38.14

relative Inform. Technology (IT)

ohv3*	0.75	0.25	0.25	(1.0)
cmv3*	0.25	0.75	0.75	(0.0)
olv4*	1.0	0.5	0.5	0.75
cmv4*	0.0	0.5	0.5	0.25

standard and adapted CIELAB

LAB*LAB	47.94	65.3	52.06
LAB*LAB	47.94	64.41	50.57
LAB*LAB	50.0	81.89	38.14

relative Inform. Technology (IT)

ohv3*	0.25	0.25	0.25	(1.0)
cmv3*	0.75	0.75	0.75	(0.0)
olv4*	1.0	1.0	1.0	0.25
cmv4*	0.0	0.0	0.0	0.75

standard and adapted CIELAB

LAB*LAB	37.5	0.79	0.79
LAB*LAB	37.49	0.0	0.0
LAB*LAB	25.0	0.01	0.0

relative Inform. Technology (IT)

ohv3*	0.25	0.0	0.0	(1.0)
cmv3*	0.75	1.0	1.0	(0.0)
olv4*	1.0	0.0	0.0	0.25
cmv4*	0.0	1.0	1.0	0.75

standard and adapted CIELAB

LAB*LAB	44.24	17.02	13.94
LAB*LAB	44.24	16.1	12.64
LAB*LAB	37.5	20.48	38.14

relative Inform. Technology (IT)

ohv3*	0.5	0.0	0.0	(1.0)
cmv3*	0.5	0.0	0.0	(0.0)
olv4*	1.0	0.0	0.0	0.5
cmv4*	0.5	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	47.94	65.3	52.06
LAB*LAB	47.94	64.41	50.57
LAB*LAB	50.0	81.89	38.14

relative Inform. Technology (IT)

ohv3*	0.5	0.5	0.5	(0.0)
cmv3*	0.5	0.5	0.5	(0.0)
olv4*	1.0	1.0	1.0	0.5
cmv4*	0.5	0.5	0.5	0.5

standard and adapted CIELAB

LAB*LAB	47.94	65.3	52.06
LAB*LAB	47.94	64.41	50.57
LAB*LAB	50.0	81.89	38.14

relative Inform. Technology (IT)

ohv3*	0.75	0.25	0.25	(1.0)
cmv3*	0.25	0.75	0.75	(0.0)
olv4*	1.0	0.5	0.5	0.75
cmv4*	0.0	0.5	0.5	0.25

standard and adapted CIELAB

LAB*LAB	47.94	65.3	52.06
LAB*LAB	47.94	64.41	50.57
LAB*LAB	50.0	81.89	38.14

relative Inform. Technology (IT)

ohv3*	0.5	0.25	0.25	(1.0)
cmv3*	0.5	0.75	0.75	(0.0)
olv4*	1.0	0.5	0.5	0.75
cmv4*	0.0	0.25	0.25	0.25

standard and adapted CIELAB

LAB*LAB	47.94	65.3	52.06
LAB*LAB	47.94	64.41	50.57
LAB*LAB	50.0	81.89	38.14

relative Inform. Technology (IT)

ohv3*	0.25	0.0	0.0	(1.0)
cmv3*	0.75	1.0	1.0	(0.0)
olv4*	1.0	0.0	0.0	0.25
cmv4*	0.0	1.0	1.0	0.75

standard and adapted CIELAB

LAB*LAB	37.5	0.79	0.79
LAB*LAB	37.49	0.0	0.0
LAB*LAB	25.0	0.01	0.0

relative Inform. Technology (IT)

ohv3*	0.25	0.0	0.0	(1.0)
cmv3*	0.75	1.0	1.0	(0.0)
olv4*	1.0	0.0	0.0	0.25
cmv4*	0.0	1.0	1.0	0.75

standard and adapted CIELAB

LAB*LAB	44.24	17.02	13.94
LAB*LAB	44.24	16.1	12.64
LAB*LAB	37.5	20.48	38.14

relative Inform. Technology (IT)

ohv3*	0.5	0.0	0.0	(1.0)
cmv3*	0.5	0.0	0.0	(0.0)
olv4*	1.0	0.0	0.0	0.5
cmv4*	0.5	0.0	0.0	0.5

standard and adapted CIELAB

LAB*LAB	47.94	65.3	52.06
LAB*LAB	47.94	64.41	50.57
LAB*LAB	50.0	81.89	38.14

relative Inform. Technology (IT)

ohv3*	0.5	0.5	0.5	(0.0)
cmv3*	0.5	0.5	0.5	(0.0)
olv4*	1.0	1.0	1.0	0.5
cmv4*	0.5	0.5	0.5	0.5

standard and adapted CIELAB

LAB*LAB	47.94	65.3	52.06
LAB*LAB	47.94	64.41	50.57
LAB*LAB	50.0	81.89	38.14

relative Inform. Technology (IT)

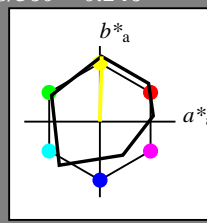
ohv3*	0.75	0.25	0.25	(1.0)
cmv3*	0.25	0.75	0.75	(0.0)
olv4*	1.0	0.5	0.5	0.75

Input: Colorimetric Offset Reflective System ORS18

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

A: hue Y
 LCH*Ma: 93 86 88
 olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



%Gamut
 $u^*_{rel} = 96$

relative Inform. Technology (IT)

obv3*	1.0	1.0	1.0	(1.0)
cmv3*	0.0	0.0	0.0	(0.0)
olv3*	1.0	1.0	1.0	1.0
cmv3*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	95.6	0.43	46.5
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*ch	0.0	1.0	0.0
lab*nch	0.0	0.0	1.0

relative Natural Colour (NC)

lab*lab	1.0	0.0	0.0
lab*ch	0.0	1.0	0.0
lab*nch	0.0	0.0	1.0

relative Inform. Technology (IT)

obv3*	0.75	0.75	0.75	(1.0)
cmv3*	0.0	0.0	0.0	(0.0)
olv3*	1.0	1.0	1.0	1.0
cmv3*	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	75.00	0.01	0.0

relative CIELAB lab*

lab*lab	0.75	0.0	0.0
lab*ch	0.0	0.75	0.0
lab*nch	0.0	0.0	0.75

relative Natural Colour (NC)

lab*lab	0.75	0.0	0.0
lab*ch	0.0	0.75	0.0
lab*nch	0.0	0.0	0.75

relative Inform. Technology (IT)

obv3*	0.5	0.5	0.5	(0.0)
cmv3*	0.0	0.0	0.0	(0.0)
olv3*	1.0	1.0	1.0	1.0
cmv3*	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	50.00	0.01	0.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*ch	0.0	0.5	0.0
lab*nch	0.0	0.0	0.5

relative Natural Colour (NC)

lab*lab	0.5	0.0	0.0
lab*ch	0.0	0.5	0.0
lab*nch	0.0	0.0	0.5

relative Inform. Technology (IT)

obv3*	0.25	0.25	0.25	(1.0)
cmv3*	0.0	0.0	0.0	(0.0)
olv3*	1.0	1.0	1.0	1.0
cmv3*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	37.37	0.79	0.79
LAB*LAB	37.49	0.0	0.0
LAB*LAB	37.49	0.0	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*ch	0.0	0.25	0.0
lab*nch	0.0	0.0	0.25

relative Natural Colour (NC)

lab*lab	0.25	0.0	0.0
lab*ch	0.0	0.25	0.0
lab*nch	0.0	0.0	0.25

relative Inform. Technology (IT)

obv3*	0.0	0.0	0.0	(1.0)
cmv3*	0.0	0.0	0.0	(0.0)
olv3*	1.0	1.0	1.0	1.0
cmv3*	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
lab*ch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.0	0.0	0.0
lab*ch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Inform. Technology (IT)

obv3*	0.0	0.0	0.0	(1.0)
cmv3*	0.0	0.0	0.0	(0.0)
olv3*	1.0	1.0	1.0	1.0
cmv3*	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*ch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

lab*lab	0.0	0.0	0.0
lab*ch	0.0	0.0	0.0
lab*nch	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)

obv3*	1.0	1.0	1.0	(1.0)
cmv3*	0.0	0.0	0.0	(0.0)
olv3*	1.0	1.0	1.0	1.0
cmv3*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	94.1	1.65	47.73
LAB*LAB	94.1	1.21	43.17
LAB*LAB	75.0	0.01	0.0

relative CIELAB lab*

lab*lab	0.981	0.014	0.5
lab*ch	0.75	0.5	0.246
lab*nch	0.0	0.5	0.246

relative Natural Colour (NC)

lab*lab	0.981	-0.033	0.499
lab*ch	0.75	0.5	0.261
lab*nch	0.0	0.5	0.246

relative Inform. Technology (IT)

obv3*	0.75	0.75	0.75	(1.0)
cmv3*	0.0	0.0	0.0	(0.0)
olv3*	1.0	1.0	1.0	1.0
cmv3*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	74.74	1.84	46.45
LAB*LAB	74.74	1.21	43.18
LAB*LAB	50.0	0.01	0.0

relative CIELAB lab*

lab*lab	0.971	0.021	0.75
lab*ch	0.625	0.75	0.246
lab*nch	0.0	0.75	0.246

relative Natural Colour (NC)

lab*lab	0.971	-0.05	0.748
lab*ch	0.625	0.75	0.261
lab*nch	0.0	0.75	0.246

relative Inform. Technology (IT)

obv3*	0.5	0.5	0.5	(0.0)
cmv3*	0.0	0.0	0.0	(0.0)
olv3*	1.0	1.0	1.0	1.0
cmv3*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	42.6	2.45	67.98
LAB*LAB	42.6	1.81	64.76
LAB*LAB	25.0	0.01	0.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*ch	0.5	0.5	0.246
lab*nch	0.0	0.5	0.246

relative Natural Colour (NC)

lab*lab	0.5	-0.067	0.997
lab*ch	0.5	0.5	0.261
lab*nch	0.0	0.5	0.246

relative Inform. Technology (IT)

obv3*	0.25	0.25	0.25	(1.0)
cmv3*	0.0	0.0	0.0	(0.0)
olv3*	1.0	1.0	1.0	1.0
cmv3*	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	25.00	0.01	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*ch	0.25	0.25	0.246
lab*nch	0.0	0.25	0.246

relative Natural Colour (NC)

lab*lab	0.25	-0.07	0.748
lab*ch	0.25	0.25	0.261
lab*nch	0.0	0.25	0.246

relative Inform. Technology (IT)

obv3*	0.0	0.0	0.0	(1.0)
cmv3*	0.0	0.0	0.0	(0.0)
olv3*	1.0	1.0	1.0	1.0
cmv3*	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*ch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

relative Natural Colour (NC)

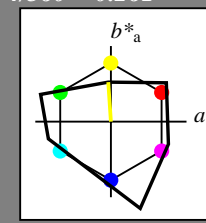
lab*lab	0.0	0.0	0.0
lab*ch	0.0	0.0	0.0
lab*nch	0.0	0.0	0.0

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 94/360 = 0.261$
 lab^*ch and lab^*nch

A: hue Y
 LCH*Ma: 95 52 94
 olv*Ma: 1.0 1.0 0.0

triangle lightness t^*



%Gamut
 $u^*_{rel} = 141$

relative Inform. Technology (IT)

obv3*	1.0	1.0	1.0	(1.0)
cmv3*	0.0	0.0	0.0	(0.0)
olv3*	1.0	1.0	1.0	1.0
cmv3*	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*LAB	99.99	0.01	0.0

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*ch	0.0	1.0	0.0
lab*nch	0.0	0.0	1.0

relative Natural Colour (NC)

lab*lab	1.0	0.0	0.0
lab*ch	0.0	1.0	0.0
lab*nch	0.0	0.0	1.0

relative Inform. Technology (IT)

obv3*	0.75	0.75	0.75	(1.0)
cmv3*	0.0	0.0	0.0	(0.0)
olv3*	1.0	1.0	1.0	1.0
cmv3*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	71.57	0.57	0.25
LAB*LAB	71.57	0.0	0.0
LAB*LAB	75.00	0.01	0.0

relative CIELAB lab*

lab*lab	0.998	-0.016	0.249
lab*ch	0.875	0.25	0.261
lab*nch	0.0	0.25	0.261

relative Natural Colour (NC)

lab*lab	0.998	-0.041	0.246
lab*ch	0.875	0.25	0.277
lab*nch	0.0	0.25	0.261

relative Inform. Technology (IT)

obv3*	0.5	0.5	0.5	(0.0)
cmv3*	0.0	0.0	0.0	(0.0)
olv3*	1.0	1.0	1.0	1.0
cmv3*	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	50.00	0.01	0.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*ch	0.5	0.5	0.246
lab*nch	0.0	0.5	0.246

relative Natural Colour (NC)

lab*lab	0.5	-0.067	0.997
lab*ch	0.5	0.5	0.261
lab*nch	0.0	0.5	0.246

relative Inform. Technology (IT)

obv3*	0.25	0.25	0.25	(1.0)
cmv3*	0.0	0.0	0.0	(0.0)
olv3*	1.0	1.0	1.0	1.0
cmv3*	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	25.00	0.01	0.0

relative CIELAB lab*

lab*lab	0.25	0.0	0.0
lab*ch	0.25	0.25	0.246
lab*nch	0.0	0.25	0.246

relative Natural Colour (NC)

lab*lab	0.25	-0.07	0.748
lab*ch	0.25	0.25	0.261
lab*nch	0.0	0.25	0.246

relative Inform. Technology (IT)

obv3*	0.0	0.0	0.0	(1.0)
cmv3*	0.0	0.0	0.0	(0.0)
olv3*	1.0	1.0	1.0	1.0
cmv3*	0.0	0.0	0.0	0.0

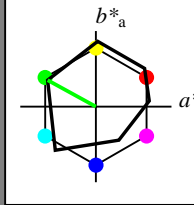
standard and adapted CIELAB

LAB*LAB	0.0	0.0	0.0

Input: Colorimetric Offset Reflective System ORS18

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

A: hue L
 LCH*Ma: 51 73 151
 olv*Ma: 0.0 1.0 0.0
 triangle lightness t^*



%Gamut

$u^*_{rel} = 96$

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	95.6	0.43	45.5
LAB*LABa	95.6	0.0	0.0
LAB*LABb	99.99	0.01	0.0

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	84.42	-15.94	8.75
LAB*LABa	84.42	-15.94	8.75
LAB*LABb	87.5	18.19	151.25

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	73.25	-31.9	17.51
LAB*LABa	73.25	-31.9	17.51
LAB*LABb	75.0	36.4	151.25

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	62.07	-47.1	28.69
LAB*LABa	62.07	-47.1	28.69
LAB*LABb	62.5	54.6	151.25

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	50.0	-62.95	36.7
LAB*LABa	50.0	-62.95	36.7
LAB*LABb	50.0	72.79	151.25

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	76.23	0.62	3.36
LAB*LABa	76.23	0.0	0.0
LAB*LABb	75.0	0.01	-

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	65.05	-15.22	11.38
LAB*LABa	65.05	-15.95	8.76
LAB*LABb	62.5	18.2	151.25

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	53.88	-31.07	19.4
LAB*LABa	53.88	-31.91	17.51
LAB*LABb	50.0	36.4	151.25

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	42.71	-46.92	27.41
LAB*LABa	42.71	-47.86	26.26
LAB*LABb	37.51	54.6	151.25

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	72.79	151.25

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	56.86	0.2	2.08
LAB*LABa	56.86	0.0	0.0
LAB*LABb	50.0	0.01	-

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	45.68	-15.08	10.4
LAB*LABa	45.68	-15.95	8.76
LAB*LABb	37.5	18.2	151.25

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	42.71	-46.92	27.41
LAB*LABa	42.71	-47.86	26.26
LAB*LABb	37.51	54.6	151.25

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	37.51	54.6	151.25
LAB*LABa	37.51	54.6	151.25
LAB*LABb	37.51	54.6	151.25

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	72.79	151.25

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	37.51	54.6	151.25
LAB*LABa	37.51	54.6	151.25
LAB*LABb	37.51	54.6	151.25

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	37.51	54.6	151.25
LAB*LABa	37.51	54.6	151.25
LAB*LABb	37.51	54.6	151.25

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	72.79	151.25

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	72.79	151.25

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	37.51	54.6	151.25
LAB*LABa	37.51	54.6	151.25
LAB*LABb	37.51	54.6	151.25

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	37.51	54.6	151.25
LAB*LABa	37.51	54.6	151.25
LAB*LABb	37.51	54.6	151.25

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	37.51	54.6	151.25
LAB*LABa	37.51	54.6	151.25
LAB*LABb	37.51	54.6	151.25

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	37.51	54.6	151.25
LAB*LABa	37.51	54.6	151.25
LAB*LABb	37.51	54.6	151.25

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	37.51	54.6	151.25
LAB*LABa	37.51	54.6	151.25
LAB*LABb	37.51	54.6	151.25

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	72.79	151.25

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	37.51	54.6	151.25
LAB*LABa	37.51	54.6	151.25
LAB*LABb	37.51	54.6	151.25

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	37.51	54.6	151.25
LAB*LABa	37.51	54.6	151.25
LAB*LABb	37.51	54.6	151.25

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	72.79	151.25

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	47.72	0.0	0.0
LAB*LABa	47.72	0.0	0.0
LAB*LABb	50.0	72.79	151.25

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	37.51	54.6	151.25
LAB*LABa	37.51	54.6	151.25
LAB*LABb	37.51	54.6	151.25

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	37.51	54.6	151.25
LAB*LABa	37.51	54.6	

Input: Colorimetric Offset Reflective System ORS18

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

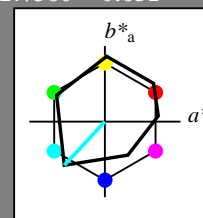
lab^*ch and lab^*nch

A: hue C

LCH*Ma: 51 79 227

olv*Ma: 0.0 1.0 1.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 96$

relative Inform. Technology (IT)

obv3*	1.0	1.0	1.0	(1.0)
cmv3*	0.0	0.0	0.0	(0.0)
olv3*	1.0	1.0	1.0	1.0
cmv3*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	95.6	0.43	46.5
LAB*LABa	95.6	0.0	0.0
LAB*LABb	99.99	0.01	0.0

relative CIELAB lab*

lab*lab	1.0	0.0	0.0
lab*nch	0.0	0.0	0.0
lab*ch	0.0	0.0	0.0

relative Natural Colour (NC)

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

relative Inform. Technology (IT)

obv3*	0.75	0.75	0.75	(1.0)
cmv3*	0.25	0.25	0.25	(0.0)
olv3*	1.0	1.0	1.0	1.0
cmv3*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	76.23	0.62	32.36
LAB*LABa	76.23	0.0	0.0
LAB*LABb	75.0	0.01	0.0

relative CIELAB lab*

lab*lab	0.857	-0.169	-0.182
lab*nch	0.875	0.25	0.631
lab*ch	0.0	0.25	0.631

relative Natural Colour (NC)

lab*nc	0.857	-0.121	-0.217
lab*nc	0.875	0.25	0.668
lab*nc	0.0	0.25	0.676

relative Inform. Technology (IT)

obv3*	0.5	0.5	0.5	(1.0)
cmv3*	0.5	0.5	0.5	(0.0)
olv3*	1.0	1.0	1.0	1.0
cmv3*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	73.42	-26.83	-28.84
LAB*LABa	73.42	-26.83	-28.84
LAB*LABb	75.0	39.4	227.06

relative CIELAB lab*

lab*lab	0.714	-0.34	-0.365
lab*nch	0.714	0.5	0.631
lab*ch	0.0	0.5	0.631

relative Natural Colour (NC)

lab*nc	0.714	-0.244	-0.435
lab*nc	0.714	0.5	0.668
lab*nc	0.0	0.5	0.676

relative Inform. Technology (IT)

obv3*	0.25	0.25	0.25	(1.0)
cmv3*	0.75	0.75	0.75	(0.0)
olv3*	1.0	1.0	1.0	1.0
cmv3*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	62.33	-39.5	-40.81
LAB*LABa	62.33	-39.5	-40.81
LAB*LABb	62.5	59.1	227.06

relative CIELAB lab*

lab*lab	0.571	-0.51	-0.548
lab*nch	0.625	0.75	0.631
lab*ch	0.0	0.75	0.631

relative Natural Colour (NC)

lab*nc	0.571	-0.366	-0.653
lab*nc	0.625	0.75	0.668
lab*nc	0.0	0.75	0.676

relative Inform. Technology (IT)

obv3*	0.0	0.75	0.75	(1.0)
cmv3*	1.0	0.0	0.0	(0.0)
olv3*	1.0	1.0	1.0	1.0
cmv3*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	51.25	-53.67	-57.68
LAB*LABa	51.25	-53.67	-57.68
LAB*LABb	50.0	78.8	227.06

relative CIELAB lab*

lab*lab	0.428	-0.68	-0.731
lab*nch	0.5	1.0	0.631
lab*ch	0.0	1.0	0.631

relative Natural Colour (NC)

lab*nc	0.428	-0.489	-0.871
lab*nc	0.5	1.0	0.676
lab*nc	0.0	1.0	0.676

relative Inform. Technology (IT)

obv3*	0.0	0.75	0.75	(1.0)
cmv3*	1.0	0.0	0.0	(0.0)
olv3*	1.0	1.0	1.0	1.0
cmv3*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	42.97	-39.4	-42.1
LAB*LABa	42.97	-39.4	-42.1
LAB*LABb	42.97	-40.25	-42.26

relative Inform. Technology (IT)

obv3*	0.25	0.25	0.25	(1.0)
cmv3*	0.75	0.75	0.75	(0.0)
olv3*	1.0	1.0	1.0	1.0
cmv3*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	56.86	0.2	2.08
LAB*LABa	56.86	0.0	0.0
LAB*LABb	50.0	0.01	0.0

relative CIELAB lab*

lab*lab	0.5	0.0	0.0
lab*nch	0.5	0.0	0.0
lab*ch	0.0	0.5	0.0

relative Natural Colour (NC)

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

relative Inform. Technology (IT)

obv3*	0.0	0.75	0.75	(1.0)
cmv3*	1.0	0.0	0.0	(0.0)
olv3*	1.0	1.0	1.0	1.0
cmv3*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	44.88	-25.81	-28.22
LAB*LABa	44.88	-25.81	-28.22
LAB*LABb	44.88	-25.81	-28.22

relative CIELAB lab*

lab*lab	0.337	-0.169	-0.182
lab*nch	0.375	0.25	0.631
lab*ch	0.0	0.25	0.631

relative Natural Colour (NC)

lab*nc	0.337	-0.122	-0.217
lab*nc	0.375	0.25	0.668
lab*nc	0.0	0.25	0.676

relative Inform. Technology (IT)

obv3*	0.0	0.75	0.75	(1.0)
cmv3*	1.0	0.0	0.0	(0.0)
olv3*	1.0	1.0	1.0	1.0
cmv3*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	37.15	-43.1	-42.1
LAB*LABa	37.15	-43.1	-42.1
LAB*LABb	37.15	-43.1	-42.1

relative CIELAB lab*

lab*lab	0.321	-0.51	-0.548
lab*nch	0.375	0.75	0.631
lab*ch	0.0	0.75	0.631

relative Natural Colour (NC)

lab*nc	0.321	-0.366	-0.653
lab*nc	0.375	0.75	0.668
lab*nc	0.0	0.75	0.676

relative Inform. Technology (IT)

obv3*	0.25	0.25	0.25	(1.0)
cmv3*	0.75	0.75	0.75	(0.0)
olv3*	1.0	1.0	1.0	1.0
cmv3*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	43.1	-20.67	-5.68
LAB*LABa	43.1	-20.67	-5.68
LAB*LABb	43.1	-20.67	-5.68

relative CIELAB lab*

lab*lab	0.25	0.5	0.5	(1.0)
lab*nch	0.25	0.5	0.5	(0.0)
lab*ch	0.5	0.5	0.5	0.5

relative Natural Colour (NC)

lab*nc	0.25	0.5	0.5	0.5
lab*nc	0.25	0.5	0.5	0.5
lab*nc	0.5	0.5	0.5	0.5

relative Inform. Technology (IT)

obv3*	0.25	0.75	0.75	(1.0)
cmv3*	0.75	0.25	0.25	(0.0)
olv3*	1.0	1.0	1.0	1.0
cmv3*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	63.04	-41.34	-11.37
LAB*LABa	63.04	-41.34	-11.37
LAB*LABb	62.5	21.44	195.38

relative CIELAB lab*

lab*lab	0.911	-0.481	-0.132
lab*nch	0.75	0.5	0.543
lab*ch	0.0	0.5	0.543

relative Natural Colour (NC)

lab*nc	0.911	-0.452	-0.211
lab*nc	0.75	0.5	0.57
lab*nc	0.0	0.5	0.57

relative Inform. Technology (IT)

obv3*	0.0	0.75	0.75	(1.0)
cmv3*	1.0	0.0	0.0	(0.0)
olv3*	1.0	1.0	1.0	1.0
cmv3*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	82.61	-62.01	-17.05
LAB*LABa	82.61	-62.01	-17.05
LAB*LABb	82.61	-62.01	-17.05

relative Inform. Technology (IT)

obv3*	0.5	0.5	0.5	(1.0)
cmv3*	0.5	0.5	0.5	(0.0)
olv3*	1.0	1.0	1.0	1.0
cmv3*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	62.33	-39.5	-40.81
LAB*LABa	62.33	-39.5	-40.81
LAB*LABb	62.5	59.1	227.06

relative CIELAB lab*

lab*lab	0.428	-0.68	-0.731
lab*nch	0.5	1.0	0.631
lab*ch	0.0	1.0	0.631

relative Natural Colour (NC)

lab*nc	0.428	-0.489	-0.871
lab*nc	0.5	1.0	0.676
lab*nc	0.0	1.0	0.676

relative Inform. Technology (IT)

obv3*	0.0	0.75	0.75	(1.0)
cmv3*	1.0	0.0	0.0	(0.0)
olv3*	1.0	1.0	1.0	1.0
cmv3*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	51.25	-53.67	-57.68
LAB*LABa	51.25	-53.67	-57.68
LAB*LABb	50.0	78.8	227.06

relative CIELAB lab*

lab*lab	0.321	-0.51	-0.548
lab*nch	0.375	0.75	0.631
lab*ch	0.0	0.75	0.631

relative Natural Colour (NC)

lab*nc	0.321	-0.366	-0.653
lab*nc	0.375	0.75	0.668
lab*nc	0.0	0.75	0.676

relative Inform. Technology (IT)

obv3*	0.25	0.25	0.25	(1.0)
cmv3*	0.75	0.75	0.75	(0.0)
olv3*	1.0	1.0	1.0	1.0
cmv3*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	43.1	-20.67	-5.68
LAB*LABa	43.1	-20.67	-5.68
LAB*LABb	43.1	-20.67	-5.68

relative CIELAB lab*

lab*lab	0.25	0.5	0.5	(1.0)
lab*nch	0.25	0.5	0.5	(0.0)
lab*ch	0.5	0.5	0.5	0.5

relative Natural Colour (NC)

lab*nc	0.25	0.5	0.5	0.5
lab*nc	0.25	0.5	0.5	0.5
lab*nc	0.5	0.5	0.5	0.5

relative Inform. Technology (IT)

obv3*	0.25	0.75	0.75	(1.0)
cmv3*	0.75	0.25	0.25	(0.0)
olv3*	1.0	1.0	1.0	1.0
cmv3*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	63.04	-41.34	-11.37
LAB*LABa	63.04	-41.34	-11.37
LAB*LABb	62.5	21.44	195.38

relative CIELAB lab*

lab*lab	0.911	-0.481	-0.132
lab*nch	0.75	0.5	0.543
lab*ch	0.0	0.5	0.543

relative Natural Colour (NC)

lab*nc	0.911	-0.452	-0.211
lab*nc	0.75	0.5	0.57
lab*nc	0.0	0.5	0.57

relative Inform. Technology (IT)

obv3*	0.0	0.75	0.75	(1.0)
cmv3*	1.0	0.0	0.0	(0.0)
olv3*	1.0	1.0	1.0	1.0
cmv3*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	82.61	-62.01	-17.05
LAB*LABa	82.61	-62.01	-17.05
LAB*LABb	82.61	-62.01	-17.05

relative CIELAB lab*

lab*lab	0.866	-0.678	-0.317
lab*nch	0.625	0.75	0.57
lab*ch	0.0	0.75	0.57

relative Natural Colour (NC)

lab*nc	0.866	-0.75	0.276
lab*nc	0.625	0.75	0.676
lab*nc	0.0	0.75	0.676

relative Inform. Technology (IT)

obv3*	0.0	0.75	0.75	(1.0)
cmv3*	1.0	0.0	0.0	(0.0)
olv3*	1.0	1.0	1.0	1.0
cmv3*	0.0	0.0	0.0	0.0

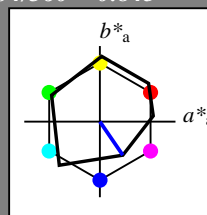
standard and adapted CIELAB

LAB*LAB	78.35	-82.67	-22.74
LAB*LABa	78.35	-82.67	-22.74
LAB*LABb	78.35	-82.67	-22.74

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 304/360 = 0.845$
 lab^*ch and lab^*nch

A: hue V
 LCH*Ma: 26 54 304
 olv*Ma: 0.0 0.0 1.0
 triangle lightness t^*



ORS18; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
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)
 olv^{3*} 1.0 1.0 1.0 (1.0)
 cmyn^{3*} 0.0 0.0 0.0 (0.0)
 olv^{4*} 1.0 1.0 1.0 1.0
 cmyn^{4*} 0.0 0.0 0.0 0.0
 standard and adapted CIELAB
 LAB*LAB 95.6 0.43 0.65
 LAB*LABa 95.6 0.0 0.0
 LAB*TC_{Ha} 99.99 0.01 0.0

relative Inform. Technology (IT)
 olv^{3*} 0.75 0.75 1.0 (1.0)
 cmyn^{3*} 0.25 0.25 0.0 (0.0)
 olv^{4*} 0.75 0.75 1.0 1.0
 cmyn^{4*} 0.25 0.25 0.0 0.0
 standard and adapted CIELAB
 LAB*LAB 78.13 8.18 -7.58
 LAB*LABa 78.13 7.38 -11.08
 LAB*TC_{Ha} 87.3 13.43 304.36

relative Inform. Technology (IT)
 olv^{3*} 0.5 0.5 1.0 (1.0)
 cmyn^{3*} 0.5 0.5 0.0 (0.0)
 olv^{4*} 0.5 0.5 1.0 1.0
 cmyn^{4*} 0.5 0.5 0.0 0.0
 standard and adapted CIELAB
 LAB*LAB 60.66 15.17 -19.84
 LAB*LABa 60.66 15.17 -22.17
 LAB*TC_{Ha} 75.0 26.87 304.36

relative Inform. Technology (IT)
 olv^{3*} 0.25 0.25 1.0 (1.0)
 cmyn^{3*} 0.75 0.75 0.0 (0.0)
 olv^{4*} 0.25 0.25 1.0 1.0
 cmyn^{4*} 0.75 0.75 0.0 0.0
 standard and adapted CIELAB
 LAB*LAB 43.19 23.69 -32.09
 LAB*LABa 43.19 23.69 -33.27
 LAB*TC_{Ha} 62.5 40.31 304.36

relative Inform. Technology (IT)
 olv^{3*} 0.0 0.0 1.0 (1.0)
 cmyn^{3*} 1.0 1.0 0.0 (0.0)
 olv^{4*} 0.0 0.0 1.0 1.0
 cmyn^{4*} 1.0 1.0 0.0 0.0
 standard and adapted CIELAB
 LAB*LAB 0.98 0.564 -0.824
 LAB*LABa 0.98 0.564 -0.824
 LAB*TC_{Ha} 50.0 53.75 304.36

relative Inform. Technology (IT)
 olv^{3*} 0.75 0.75 0.75 (1.0)
 cmyn^{3*} 0.25 0.25 0.25 (0.0)
 olv^{4*} 1.0 1.0 1.0 0.75
 cmyn^{4*} 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*TC_{Ha} 75.0 0.01 -

relative Inform. Technology (IT)
 olv^{3*} 0.75 0.75 0.5 (1.0)
 cmyn^{3*} 0.25 0.25 0.5 (0.0)
 olv^{4*} 0.75 0.75 1.0 0.75
 cmyn^{4*} 0.25 0.25 0.0 0.25
 standard and adapted CIELAB
 LAB*LAB 58.76 8.37 -8.87
 LAB*LABa 58.76 7.59 -11.08
 LAB*TC_{Ha} 62.5 13.44 304.36

relative Inform. Technology (IT)
 olv^{3*} 0.5 0.5 0.5 (1.0)
 cmyn^{3*} 0.5 0.5 0.5 (0.0)
 olv^{4*} 0.5 0.5 1.0 0.75
 cmyn^{4*} 0.5 0.5 0.0 0.25
 standard and adapted CIELAB
 LAB*LAB 41.29 16.13 -21.13
 LAB*LABa 41.29 15.17 -22.18
 LAB*TC_{Ha} 50.0 26.88 304.36

relative Inform. Technology (IT)
 olv^{3*} 0.25 0.25 0.5 (1.0)
 cmyn^{3*} 0.75 0.75 0.25 (0.0)
 olv^{4*} 0.25 0.25 1.0 1.0
 cmyn^{4*} 0.75 0.75 0.0 0.25
 standard and adapted CIELAB
 LAB*LAB 25.75 31.44 -44.34
 LAB*LABa 25.75 30.34 -44.36
 LAB*TC_{Ha} 50.0 53.75 304.36

relative Inform. Technology (IT)
 olv^{3*} 0.0 0.0 0.5 (1.0)
 cmyn^{3*} 1.0 1.0 0.5 (0.0)
 olv^{4*} 0.0 0.0 1.0 0.5
 cmyn^{4*} 1.0 1.0 0.5 0.5
 standard and adapted CIELAB
 LAB*LAB 4.72 0.00 -0.00
 LAB*LABa 4.72 0.00 -0.00
 LAB*TC_{Ha} 50.0 53.75 304.36

relative Inform. Technology (IT)
 olv^{3*} 0.75 0.75 0.0 (1.0)
 cmyn^{3*} 0.25 0.25 0.0 (0.0)
 olv^{4*} 1.0 1.0 0.0 0.5
 cmyn^{4*} 0.0 0.0 0.0 0.25
 standard and adapted CIELAB
 LAB*LAB 56.86 0.2 2.08
 LAB*LABa 56.86 0.0 0.0
 LAB*TC_{Ha} 50.0 0.01 -

relative Inform. Technology (IT)
 olv^{3*} 0.75 0.75 0.0 (1.0)
 cmyn^{3*} 0.25 0.25 0.0 (0.0)
 olv^{4*} 0.75 0.75 1.0 0.5
 cmyn^{4*} 0.25 0.25 0.0 0.5
 standard and adapted CIELAB
 LAB*LAB 39.28 16.23 -10.16
 LAB*LABa 39.28 15.17 -11.08
 LAB*TC_{Ha} 37.5 13.44 304.36

relative Inform. Technology (IT)
 olv^{3*} 0.5 0.5 0.0 (1.0)
 cmyn^{3*} 0.5 0.5 0.0 (0.0)
 olv^{4*} 0.5 0.5 1.0 0.5
 cmyn^{4*} 0.5 0.5 0.0 0.25
 standard and adapted CIELAB
 LAB*LAB 21.92 15.17 -22.17
 LAB*LABa 21.92 15.17 -22.17
 LAB*TC_{Ha} 25.0 26.87 304.36

relative Inform. Technology (IT)
 olv^{3*} 0.25 0.25 0.0 (1.0)
 cmyn^{3*} 0.75 0.75 0.0 (0.0)
 olv^{4*} 0.25 0.25 1.0 1.0
 cmyn^{4*} 0.75 0.75 0.0 0.25
 standard and adapted CIELAB
 LAB*LAB 0.98 0.548 -0.835
 LAB*LABa 0.98 0.548 -0.835
 LAB*TC_{Ha} 50.0 53.75 304.36

relative Inform. Technology (IT)
 olv^{3*} 0.0 0.0 0.0 (1.0)
 cmyn^{3*} 1.0 1.0 0.0 (0.0)
 olv^{4*} 0.0 0.0 1.0 0.0
 cmyn^{4*} 1.0 1.0 0.0 0.0
 standard and adapted CIELAB
 LAB*LAB 0.00 0.00 0.00
 LAB*LABa 0.00 0.00 0.00
 LAB*TC_{Ha} 50.0 53.75 304.36

relative Inform. Technology (IT)
 olv^{3*} 0.25 0.25 0.25 (1.0)
 cmyn^{3*} 0.75 0.75 0.75 (0.0)
 olv^{4*} 1.0 1.0 1.0 0.5
 cmyn^{4*} 0.0 0.0 0.0 0.25
 standard and adapted CIELAB
 LAB*LAB 37.5 0.62 3.36
 LAB*LABa 37.5 0.0 0.0
 LAB*TC_{Ha} 37.5 0.01 -

relative Inform. Technology (IT)
 olv^{3*} 0.25 0.25 0.5 (1.0)
 cmyn^{3*} 0.75 0.75 0.5 (0.0)
 olv^{4*} 0.75 0.75 1.0 0.5
 cmyn^{4*} 0.25 0.25 0.0 0.25
 standard and adapted CIELAB
 LAB*LAB 29.28 16.23 -10.16
 LAB*LABa 29.28 15.17 -11.08
 LAB*TC_{Ha} 37.5 13.44 304.36

relative Inform. Technology (IT)
 olv^{3*} 0.5 0.5 0.0 (1.0)
 cmyn^{3*} 0.5 0.5 0.0 (0.0)
 olv^{4*} 0.5 0.5 1.0 0.5
 cmyn^{4*} 0.5 0.5 0.0 0.25
 standard and adapted CIELAB
 LAB*LAB 16.23 15.17 -22.17
 LAB*LABa 16.23 15.17 -22.17
 LAB*TC_{Ha} 25.0 26.87 304.36

relative Inform. Technology (IT)
 olv^{3*} 0.25 0.25 0.0 (1.0)
 cmyn^{3*} 0.75 0.75 0.0 (0.0)
 olv^{4*} 0.25 0.25 1.0 1.0
 cmyn^{4*} 0.75 0.75 0.0 0.25
 standard and adapted CIELAB
 LAB*LAB 0.98 0.548 -0.835
 LAB*LABa 0.98 0.548 -0.835
 LAB*TC_{Ha} 50.0 53.75 304.36

relative Inform. Technology (IT)
 olv^{3*} 0.0 0.0 0.5 (1.0)
 cmyn^{3*} 1.0 1.0 0.5 (0.0)
 olv^{4*} 0.0 0.0 1.0 0.5
 cmyn^{4*} 1.0 1.0 0.5 0.5
 standard and adapted CIELAB
 LAB*LAB 4.72 0.00 -0.00
 LAB*LABa 4.72 0.00 -0.00
 LAB*TC_{Ha} 50.0 53.75 304.36

relative Inform. Technology (IT)
 olv^{3*} 0.75 0.75 0.0 (1.0)
 cmyn^{3*} 0.25 0.25 0.0 (0.0)
 olv^{4*} 1.0 1.0 0.0 0.5
 cmyn^{4*} 0.0 0.0 0.0 0.25
 standard and adapted CIELAB
 LAB*LAB 56.86 0.2 2.08
 LAB*LABa 56.86 0.0 0.0
 LAB*TC_{Ha} 50.0 0.01 -

relative Inform. Technology (IT)
 olv^{3*} 0.75 0.75 0.0 (1.0)
 cmyn^{3*} 0.25 0.25 0.0 (0.0)
 olv^{4*} 0.75 0.75 1.0 0.5
 cmyn^{4*} 0.25 0.25 0.0 0.5
 standard and adapted CIELAB
 LAB*LAB 39.28 16.23 -10.16
 LAB*LABa 39.28 15.17 -11.08
 LAB*TC_{Ha} 37.5 13.44 304.36

relative Inform. Technology (IT)
 olv^{3*} 0.5 0.5 0.0 (1.0)
 cmyn^{3*} 0.5 0.5 0.0 (0.0)
 olv^{4*} 0.5 0.5 1.0 0.5
 cmyn^{4*} 0.5 0.5 0.0 0.25
 standard and adapted CIELAB
 LAB*LAB 21.92 15.17 -22.17
 LAB*LABa 21.92 15.17 -22.17
 LAB*TC_{Ha} 25.0 26.87 304.36

relative Inform. Technology (IT)
 olv^{3*} 0.25 0.25 0.0 (1.0)
 cmyn^{3*} 0.75 0.75 0.0 (0.0)
 olv^{4*} 0.25 0.25 1.0 1.0
 cmyn^{4*} 0.75 0.75 0.0 0.25
 standard and adapted CIELAB
 LAB*LAB 0.98 0.548 -0.835
 LAB*LABa 0.98 0.548 -0.835
 LAB*TC_{Ha} 50.0 53.75 304.36

relative Inform. Technology (IT)
 olv^{3*} 0.0 0.0 0.5 (1.0)
 cmyn^{3*} 1.0 1.0 0.5 (0.0)
 olv^{4*} 0.0 0.0 1.0 0.5
 cmyn^{4*} 1.0 1.0 0.5 0.5
 standard and adapted CIELAB
 LAB*LAB 4.72 0.00 -0.00
 LAB*LABa 4.72 0.00 -0.00
 LAB*TC_{Ha} 50.0 53.75 304.36

relative Inform. Technology (IT)
 olv^{3*} 0.25 0.25 0.25 (1.0)
 cmyn^{3*} 0.75 0.75 0.75 (0.0)
 olv^{4*} 1.0 1.0 1.0 0.5
 cmyn^{4*} 0.0 0.0 0.0 0.25
 standard and adapted CIELAB
 LAB*LAB 37.5 0.62 3.36
 LAB*LABa 37.5 0.0 0.0
 LAB*TC_{Ha} 37.5 0.01 -

relative Inform. Technology (IT)
 olv^{3*} 0.25 0.25 0.5 (1.0)
 cmyn^{3*} 0.75 0.75 0.5 (0.0)
 olv^{4*} 0.75 0.75 1.0 0.5
 cmyn^{4*} 0.25 0.25 0.0 0.25
 standard and adapted CIELAB
 LAB*LAB 29.28 16.23 -10.16
 LAB*LABa 29.28 15.17 -11.08
 LAB*TC_{Ha} 37.5 13.44 304.36

relative Inform. Technology (IT)
 olv^{3*} 0.5 0.5 0.0 (1.0)
 cmyn^{3*} 0.5 0.5 0.0 (0.0)
 olv^{4*} 0.5 0.5 1.0 0.5
 cmyn^{4*} 0.5 0.5 0.0 0.25
 standard and adapted CIELAB
 LAB*LAB 16.23 15.17 -22.17
 LAB*LABa 16.23 15.17 -22.17
 LAB*TC_{Ha} 25.0 26.87 304.36

relative Inform. Technology (IT)
 olv^{3*} 0.25 0.25 0.0 (1.0)
 cmyn^{3*} 0.75 0.75 0.0 (0.0)
 olv^{4*} 0.25 0.25 1.0 1.0
 cmyn^{4*} 0.75 0.75 0.0 0.25
 standard and adapted CIELAB
 LAB*LAB 0.98 0.548 -0.835
 LAB*LABa 0.98 0.548 -0.835
 LAB*TC_{Ha} 50.0 53.75 304.36

relative Inform. Technology (IT)
 olv^{3*} 0.0 0.0 0.5 (1.0)
 cmyn^{3*} 1.0 1.0 0.5 (0.0)
 olv^{4*} 0.0 0.0 1.0 0.5
 cmyn^{4*} 1.0 1.0 0.5 0.5
 standard and adapted CIELAB
 LAB*LAB 4.72 0.00 -0.00
 LAB*LABa 4.72 0.00 -0.00
 LAB*TC_{Ha} 50.0 53.75 304.36

relative Inform. Technology (IT)
 olv^{3*} 0.75 0.75 0.0 (1.0)
 cmyn^{3*} 0.25 0.25 0.0 (0.0)
 olv^{4*} 1.0 1.0 0.0 0.5
 cmyn^{4*} 0.0 0.0 0.0 0.25
 standard and adapted CIELAB
 LAB*LAB 56.86 0.2 2.08
 LAB*LABa 56.86 0.0 0.0
 LAB*TC_{Ha} 50.0 0.01 -

relative Inform. Technology (IT)
 olv^{3*} 0.75 0.75 0.0 (1.0)
 cmyn^{3*} 0.25 0.25 0.0 (0.0)
 olv^{4*} 0.75 0.75 1.0 0.5
 cmyn^{4*} 0.25 0.25 0.0 0.5
 standard and adapted CIELAB
 LAB*LAB 39.28 16.23 -10.16
 LAB*LABa 39.28 15.17 -11.08
 LAB*TC_{Ha} 37.5 13.43 304.36

relative Inform. Technology (IT)
 olv^{3*} 0.5 0.5 0.0 (1.0)
 cmyn^{3*} 0.5 0.5 0.0 (0.0)
 olv^{4*} 0.5 0.5 1.0 0.5
 cmyn^{4*} 0.5 0.5 0.0 0.25
 standard and adapted CIELAB
 LAB*LAB 21.92 15.17 -22.17
 LAB*LABa 21.92 15.17 -22.17
 LAB*TC_{Ha} 25.0 26.87 304.36

relative Inform. Technology (IT)
 olv^{3*} 0.25 0.25 0.0 (1.0)
 cmyn^{3*} 0.75 0.75 0.0 (0.0)
 olv^{4*} 0.25 0.25 1.0 1.0
 cmyn^{4*} 0.75 0.75 0.0 0.25
 standard and adapted CIELAB
 LAB*LAB 0.98 0.548 -0.835
 LAB*LABa 0.98 0.548 -0.835
 LAB*TC_{Ha} 50.0 53.75 304.36

relative Inform. Technology (IT)
 olv^{3*} 0.0 0.0 0.5 (1.0)
 cmyn^{3*} 1.0 1.0 0.5 (0.0)
 olv^{4*} 0.0 0.0 1.0 0.5
 cmyn^{4*} 1.0 1.0 0.5 0.5
 standard and adapted CIELAB
 LAB*LAB 4.72 0.00 -0.00
 LAB*LABa 4.72 0.00 -0.00
 LAB*TC_{Ha} 50.0 53.75 304.36

relative Inform. Technology (IT)
 olv^{3*} 0.25 0.25 0.25 (1.0)
 cmyn^{3*} 0.75 0.75 0.75 (0.0)
 olv^{4*} 1.0 1.0 1.0 0.5
 cmyn^{4*} 0.0 0.0 0.0 0.25
 standard and adapted CIELAB
 LAB*LAB 37.5 0.62 3.36
 LAB*LABa 37.5 0.0 0.0
 LAB*TC_{Ha} 37.5 0.01 -

relative Inform. Technology (IT)
 olv^{3*} 0.25 0.25 0.5 (1.0)
 cmyn^{3*} 0.75 0.75 0.5 (0.0)
 olv^{4*} 0.75 0.75 1.0 0.5
 cmyn^{4*} 0.25 0.25 0.0 0.25
 standard and adapted CIELAB
 LAB*LAB 29.28 16.23 -10.16
 LAB*LABa 29.28 15.17 -11.08
 LAB*TC_{Ha} 37.5 13.43 304.36

relative Inform. Technology (IT)
 olv^{3*} 0.5 0.5 0.0 (1.0)
 cmyn^{3*} 0.5 0.5 0.0 (0.0)
 olv^{4*} 0.5 0.5 1.0 0.5
 cmyn^{4*} 0.5 0.5 0.0 0.25
 standard and adapted CIELAB
 LAB*LAB 16.23 15.17 -22.17
 LAB*LABa 16.23 15.17 -22.17
 LAB*TC_{Ha} 25.0 26.87 304.36

relative Inform. Technology (IT)
 olv^{3*} 0.25 0.25 0.0 (1.0)
 cmyn^{3*} 0.75 0.75 0.0 (0.0)
 olv^{4*} 0.25 0.25 1.0 1.0
 cmyn^{4*} 0.75 0.75 0.0 0.25
 standard and adapted CIELAB
 LAB*LAB 0.98 0.548 -0.835
 LAB*LABa 0.98 0.548 -0.835
 LAB*TC_{Ha} 50.0 53.75 304.36

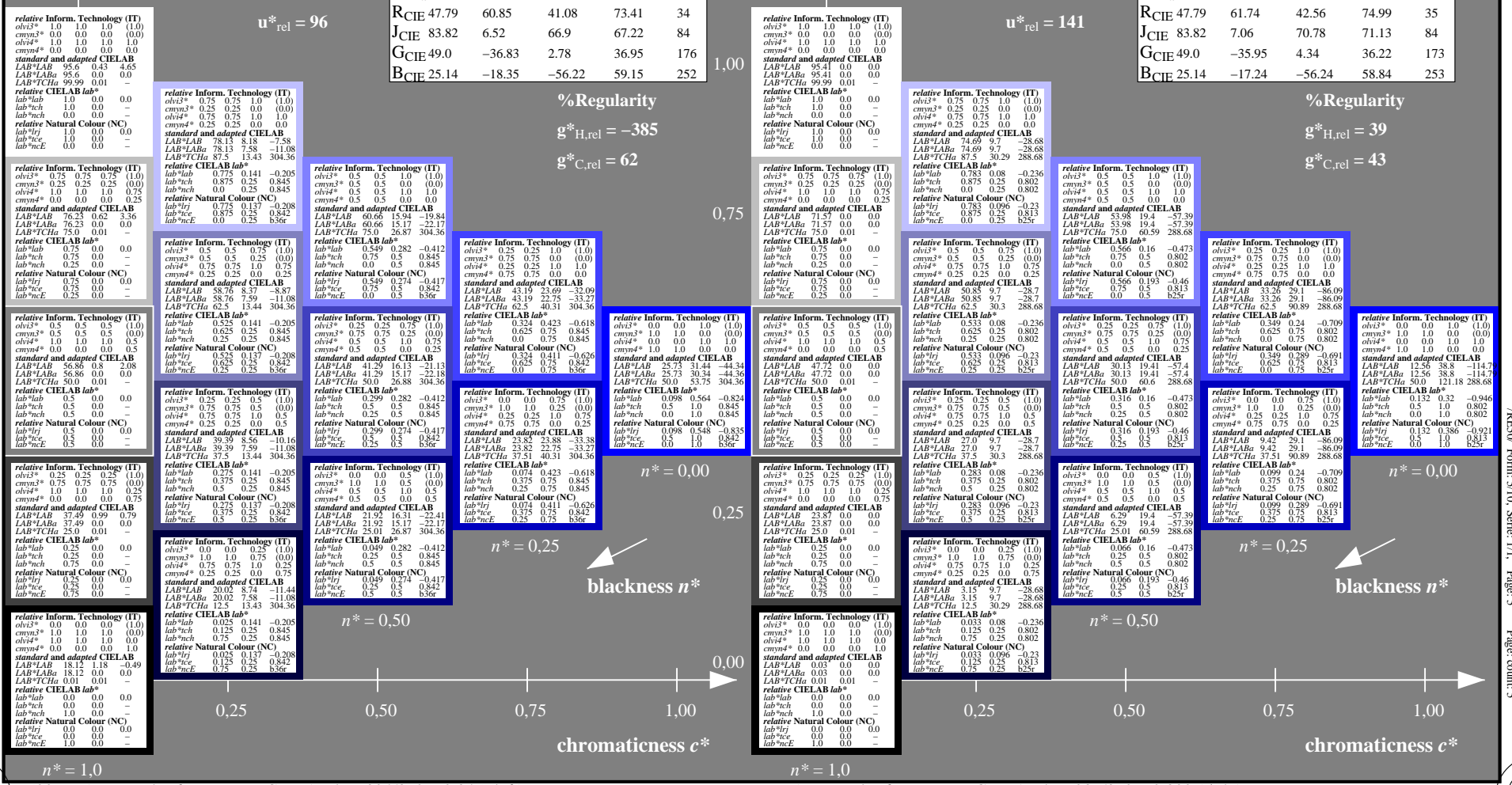
relative Inform. Technology (IT)
 olv^{3*} 0.0 0.0 0.5 (1.0)
 cmyn^{3*} 1.0 1.0 0.5 (0.0)
 olv^{4*} 0.0 0.0 1.0 0.5
 cmyn^{4*} 1.0 1.0 0.5 0.5
 standard and adapted CIELAB
 LAB*LAB 4.72 0.00 -0.00
 LAB*LABa 4.72 0.00 -0.00
 LAB*TC_{Ha} 50.0 53.75 304.36

RE500-7, 5 step scales for constant CIELAB hue 304/360 = 0.845 (left)

5 step scales for constant CIELAB hue 289/360 = 0.802 (right)

BAM-test chart RE50; Colorimetric systems ORS18 & TLS00
 A: 2 coordinate data of 5 step colour scales for 10 hues

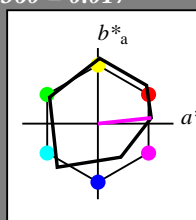
input: $olv^* setrgbcolor$
 output: no change compared to input



Input: Colorimetric Offset Reflective System ORS18

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

A: hue M
 LCH*Ma: 56 71 6
 olv*Ma: 1.0 0.0 1.0
 triangle lightness t^*



ORS18; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
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)
 olv^{3*} 1.0 1.0 1.0 (1.0)
 cmyn^{3*} 0.0 0.0 0.0 (0.0)
 olv^{4*} 1.0 1.0 1.0 (1.0)
 cmyn^{4*} 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*TC_{Ha} 99.99 0.01 0.0

relative CIELAB lab*
 lab*lab 1.0 0.0 0.0
 lab*ch 1.0 0.0 0.0
 lab*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab*nrj 1.0 0.0 0.0
 lab*nce 1.0 0.0 0.0
 lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
 olv^{3*} 0.75 0.75 0.75 (1.0)
 cmyn^{3*} 0.25 0.25 0.25 (0.0)
 olv^{4*} 1.0 1.0 1.0 (1.0)
 cmyn^{4*} 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 76.23 0.62 3.36
 LAB*LABa 76.23 0.0 0.0
 LAB*TC_{Ha} 75.0 0.01 -

relative CIELAB lab*
 lab*lab 0.75 0.0 0.0
 lab*ch 0.75 0.0 0.0
 lab*nch 0.25 0.0 0.0
 relative Natural Colour (NC)
 lab*nrj 0.75 0.0 0.0
 lab*nce 0.75 0.0 0.0
 lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
 olv^{3*} 0.5 0.5 0.5 (0.0)
 cmyn^{3*} 0.5 0.5 0.5 (0.0)
 olv^{4*} 1.0 1.0 1.0 (1.0)
 cmyn^{4*} 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 56.86 0.8 2.08
 LAB*LABa 56.86 0.0 0.0
 LAB*TC_{Ha} 50.0 0.01 -

relative CIELAB lab*
 lab*lab 0.5 0.0 0.0
 lab*ch 0.5 0.0 0.0
 lab*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab*nrj 0.5 0.0 0.0
 lab*nce 0.5 0.0 0.0

relative Inform. Technology (IT)
 olv^{3*} 0.25 0.25 0.25 (1.0)
 cmyn^{3*} 0.75 0.75 0.75 (0.0)
 olv^{4*} 1.0 1.0 1.0 (1.0)
 cmyn^{4*} 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 37.38 0.79 4.79
 LAB*LABa 37.49 0.0 0.0
 LAB*TC_{Ha} 25.0 0.01 -

relative CIELAB lab*
 lab*lab 0.25 0.0 0.0
 lab*ch 0.25 0.0 0.0
 lab*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab*nrj 0.25 0.0 0.0
 lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
 olv^{3*} 0.0 0.0 0.0 (1.0)
 cmyn^{3*} 1.0 1.0 1.0 (0.0)
 olv^{4*} 1.0 1.0 1.0 (1.0)
 cmyn^{4*} 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 18.12 0.13 0.49
 LAB*LABa 18.12 0.0 0.0
 LAB*TC_{Ha} 0.01 -

relative CIELAB lab*
 lab*lab 0.0 0.0 0.0
 lab*ch 0.0 0.0 0.0
 lab*nch 1.0 0.0 0.0
 relative Natural Colour (NC)
 lab*nrj 0.0 0.0 0.0
 lab*nce 0.0 0.0 0.0

$n^* = 1.0$

relative Inform. Technology (IT)
 olv^{3*} 1.0 0.75 1.0 (1.0)
 cmyn^{3*} 0.0 0.25 0.0 (0.0)
 olv^{4*} 1.0 0.75 1.0 (1.0)
 cmyn^{4*} 0.0 0.25 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 85.76 18.17 5.9
 LAB*LABa 85.76 17.64 1.89
 LAB*TC_{Ha} 87.5 17.74 6.12

relative CIELAB lab*
 lab*lab 0.873 0.248 0.027
 lab*ch 0.875 0.25 0.017
 lab*nch 0.0 0.25 0.017
 relative Natural Colour (NC)
 lab*nrj 0.873 0.238 -0.075
 lab*nce 0.875 0.25 0.951
 lab*nce 0.0 0.25 880.0

relative Inform. Technology (IT)
 olv^{3*} 0.75 0.5 0.75 (1.0)
 cmyn^{3*} 0.25 0.5 0.25 (0.0)
 olv^{4*} 1.0 0.75 1.0 (0.75)
 cmyn^{4*} 0.0 0.25 0.0 (0.25)
 standard and adapted CIELAB
 LAB*LAB 66.39 17.65 1.89
 LAB*LABa 66.39 17.65 1.89
 LAB*TC_{Ha} 62.5 17.75 6.12

relative CIELAB lab*
 lab*lab 0.623 0.249 0.027
 lab*ch 0.625 0.25 0.017
 lab*nch 0.25 0.25 0.017
 relative Natural Colour (NC)
 lab*nrj 0.623 0.238 -0.075
 lab*nce 0.625 0.25 0.951
 lab*nce 0.25 0.25 880.0

relative Inform. Technology (IT)
 olv^{3*} 0.5 0.25 0.5 (1.0)
 cmyn^{3*} 0.25 0.75 0.25 (0.0)
 olv^{4*} 1.0 0.5 1.0 (0.5)
 cmyn^{4*} 0.0 0.25 0.0 (0.25)
 standard and adapted CIELAB
 LAB*LAB 47.02 18.35 3.32
 LAB*LABa 47.02 17.65 1.89
 LAB*TC_{Ha} 37.5 17.75 6.12

relative CIELAB lab*
 lab*lab 0.373 0.249 0.027
 lab*ch 0.375 0.25 0.017
 lab*nch 0.0 0.25 0.017
 relative Natural Colour (NC)
 lab*nrj 0.373 0.238 -0.075
 lab*nce 0.375 0.25 0.951
 lab*nce 0.0 0.25 880.0

relative Inform. Technology (IT)
 olv^{3*} 0.25 0.0 0.25 (1.0)
 cmyn^{3*} 0.75 1.0 0.75 (0.0)
 olv^{4*} 1.0 0.25 1.0 (0.25)
 cmyn^{4*} 0.0 0.25 0.0 (0.25)
 standard and adapted CIELAB
 LAB*LAB 27.65 17.64 1.89
 LAB*LABa 27.65 17.64 1.89
 LAB*TC_{Ha} 12.5 17.74 6.12

relative CIELAB lab*
 lab*lab 0.123 0.248 0.027
 lab*ch 0.125 0.25 0.017
 lab*nch 0.0 0.25 0.017
 relative Natural Colour (NC)
 lab*nrj 0.123 0.238 -0.075
 lab*nce 0.125 0.25 0.951
 lab*nce 0.0 0.25 880.0

relative Inform. Technology (IT)
 olv^{3*} 0.0 0.0 0.0 (1.0)
 cmyn^{3*} 1.0 1.0 1.0 (0.0)
 olv^{4*} 1.0 1.0 1.0 (1.0)
 cmyn^{4*} 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 18.12 0.13 0.49
 LAB*LABa 18.12 0.0 0.0
 LAB*TC_{Ha} 0.01 -

$n^* = 0.50$

relative Inform. Technology (IT)
 olv^{3*} 1.0 0.5 1.0 (1.0)
 cmyn^{3*} 0.0 0.5 0.0 (0.0)
 olv^{4*} 1.0 0.5 1.0 (1.0)
 cmyn^{4*} 0.0 0.5 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 75.92 35.29 3.78
 LAB*LABa 75.0 35.49 6.12

relative CIELAB lab*
 lab*lab 0.746 0.497 0.053
 lab*ch 0.75 0.5 0.017
 lab*nch 0.0 0.5 0.017
 relative Natural Colour (NC)
 lab*nrj 0.746 0.476 -0.151
 lab*nce 0.75 0.5 0.951
 lab*nce 0.0 0.5 880.0

relative Inform. Technology (IT)
 olv^{3*} 0.75 0.0 0.75 (1.0)
 cmyn^{3*} 0.25 0.75 0.25 (0.0)
 olv^{4*} 1.0 0.0 1.0 (1.0)
 cmyn^{4*} 0.0 0.75 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 66.08 53.65 8.37
 LAB*LABa 66.08 53.65 8.37
 LAB*TC_{Ha} 62.5 53.24 6.12

relative CIELAB lab*
 lab*lab 0.619 0.746 0.08
 lab*ch 0.625 0.75 0.017
 lab*nch 0.0 0.75 0.017
 relative Natural Colour (NC)
 lab*nrj 0.619 0.715 -0.227
 lab*nce 0.625 0.75 0.951
 lab*nce 0.0 0.75 880.0

relative Inform. Technology (IT)
 olv^{3*} 0.5 0.25 0.5 (1.0)
 cmyn^{3*} 0.25 1.0 0.25 (0.0)
 olv^{4*} 1.0 0.25 1.0 (0.25)
 cmyn^{4*} 0.0 0.75 0.0 (0.75)
 standard and adapted CIELAB
 LAB*LAB 46.78 34.708
 LAB*LABa 46.78 33.93 5.67
 LAB*TC_{Ha} 37.51 53.24 6.12

relative CIELAB lab*
 lab*lab 0.369 0.746 0.08
 lab*ch 0.375 0.75 0.017
 lab*nch 0.0 0.75 0.017
 relative Natural Colour (NC)
 lab*nrj 0.369 0.715 -0.227
 lab*nce 0.375 0.75 0.951
 lab*nce 0.0 0.75 880.0

relative Inform. Technology (IT)
 olv^{3*} 0.25 0.0 0.25 (1.0)
 cmyn^{3*} 0.75 1.0 0.75 (0.0)
 olv^{4*} 1.0 0.25 1.0 (0.25)
 cmyn^{4*} 0.0 0.75 0.0 (0.75)
 standard and adapted CIELAB
 LAB*LAB 27.18 36.28 4.56
 LAB*LABa 27.18 36.28 4.56
 LAB*TC_{Ha} 25.01 35.49 6.12

relative CIELAB lab*
 lab*lab 0.246 0.497 0.053
 lab*ch 0.25 0.5 0.017
 lab*nch 0.0 0.5 0.017
 relative Natural Colour (NC)
 lab*nrj 0.246 0.476 -0.151
 lab*nce 0.25 0.5 0.951
 lab*nce 0.0 0.5 880.0

$n^* = 0.25$

relative Inform. Technology (IT)
 olv^{3*} 1.0 0.0 1.0 (1.0)
 cmyn^{3*} 0.0 0.0 0.0 (0.0)
 olv^{4*} 1.0 0.25 1.0 (1.0)
 cmyn^{4*} 0.0 0.25 0.0 (0.25)
 standard and adapted CIELAB
 LAB*LAB 66.08 53.65 8.37
 LAB*LABa 66.08 53.65 8.37
 LAB*TC_{Ha} 62.5 53.24 6.12

relative CIELAB lab*
 lab*lab 0.619 0.746 0.08
 lab*ch 0.625 0.75 0.017
 lab*nch 0.0 0.75 0.017
 relative Natural Colour (NC)
 lab*nrj 0.619 0.715 -0.227
 lab*nce 0.625 0.75 0.951
 lab*nce 0.0 0.75 880.0

relative Inform. Technology (IT)
 olv^{3*} 0.75 0.0 0.75 (1.0)
 cmyn^{3*} 0.25 0.75 0.25 (0.0)
 olv^{4*} 1.0 0.0 1.0 (1.0)
 cmyn^{4*} 0.0 0.75 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 56.25 70.58 7.56
 LAB*LABa 56.25 70.58 7.56
 LAB*TC_{Ha} 50.0 70.98 6.12

relative CIELAB lab*
 lab*lab 0.492 0.994 0.107
 lab*ch 0.5 1.0 0.017
 lab*nch 0.0 1.0 0.017
 relative Natural Colour (NC)
 lab*nrj 0.492 0.953 -0.303
 lab*nce 0.5 1.0 0.951
 lab*nce 0.0 1.0 880.0

relative Inform. Technology (IT)
 olv^{3*} 0.5 0.5 0.5 (0.0)
 cmyn^{3*} 0.5 0.5 0.5 (0.0)
 olv^{4*} 1.0 1.0 1.0 (1.0)
 cmyn^{4*} 0.0 0.5 0.0 (0.5)
 standard and adapted CIELAB
 LAB*LAB 40.54 19.02 -7.44
 LAB*LABa 40.54 19.02 -7.44
 LAB*TC_{Ha} 37.5 20.43 338.6

relative CIELAB lab*
 lab*lab 0.425 0.233 -0.09
 lab*ch 0.425 0.25 0.941
 lab*nch 0.25 0.25 0.941
 relative Natural Colour (NC)
 lab*nrj 0.425 0.203 -0.144
 lab*nce 0.425 0.25 0.901
 lab*nce 0.25 0.25 860.0

relative Inform. Technology (IT)
 olv^{3*} 0.25 0.25 0.25 (1.0)
 cmyn^{3*} 0.75 0.75 0.75 (0.0)
 olv^{4*} 1.0 0.25 1.0 (0.25)
 cmyn^{4*} 0.0 0.25 0.0 (0.25)
 standard and adapted CIELAB
 LAB*LAB 23.87 0.0
 LAB*LABa 23.87 0.0
 LAB*TC_{Ha} 25.0 0.01 -

relative CIELAB lab*
 lab*lab 0.25 0.0 0.0
 lab*ch 0.25 0.0 0.0
 lab*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab*nrj 0.25 0.0 0.0
 lab*nce 0.25 0.0 0.0

$n^* = 0.00$

relative Inform. Technology (IT)
 olv^{3*} 0.75 0.75 0.75 (1.0)
 cmyn^{3*} 0.25 0.25 0.25 (0.0)
 olv^{4*} 1.0 1.0 1.0 (1.0)
 cmyn^{4*} 0.0 0.25 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*TC_{Ha} 75.0 0.01 -

relative CIELAB lab*
 lab*lab 0.75 0.0 0.0
 lab*ch 0.75 0.0 0.0
 lab*nch 0.25 0.0 0.0
 relative Natural Colour (NC)
 lab*nrj 0.75 0.0 0.0
 lab*nce 0.75 0.0 0.0

relative Inform. Technology (IT)
 olv^{3*} 0.5 0.5 0.5 (0.0)
 cmyn^{3*} 0.5 0.5 0.5 (0.0)
 olv^{4*} 1.0 1.0 1.0 (1.0)
 cmyn^{4*} 0.0 0.5 0.0 (0.5)
 standard and adapted CIELAB
 LAB*LAB 47.72 0.0 0.0
 LAB*LABa 47.72 0.0 0.0
 LAB*TC_{Ha} 50.0 70.98 6.12

relative CIELAB lab*
 lab*lab 0.492 0.994 0.107
 lab*ch 0.5 1.0 0.017
 lab*nch 0.0 1.0 0.017
 relative Natural Colour (NC)
 lab*nrj 0.492 0.953 -0.303
 lab*nce 0.5 1.0 0.951
 lab*nce 0.0 1.0 880.0

relative Inform. Technology (IT)
 olv^{3*} 0.25 0.25 0.25 (1.0)
 cmyn^{3*} 0.75 0.75 0.75 (0.0)
 olv^{4*} 1.0 0.25 1.0 (0.25)
 cmyn^{4*} 0.0 0.25 0.0 (0.25)
 standard and adapted CIELAB
 LAB*LAB 23.87 0.0
 LAB*LABa 23.87 0.0
 LAB*TC_{Ha} 25.0 0.01 -

relative CIELAB lab*
 lab*lab 0.25 0.0 0.0
 lab*ch 0.25 0.0 0.0
 lab*nch 0.0 0.0 0.0
 relative Natural Colour (NC)
 lab*nrj 0.25 0.0 0.0
 lab*nce 0.25 0.0 0.0

relative Inform. Technology (IT)
 olv^{3*} 0.0 0.0 0.0 (1.0)
 cmyn^{3*} 1.0 1.0 1.0 (0.0)
 olv^{4*} 1.0 1.0 1.0 (1.0)
 cmyn^{4*} 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*TC_{Ha} 0.0 0.01 -

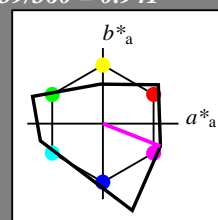
relative CIELAB lab*
 lab*lab 0.0 0.0 0.0
 lab*ch 1.0 0.0 0.0
 lab*nch 1.0 0.0 0.0
 relative Natural Colour (NC)
 lab*nrj 0.0 0.0 0.0
 lab*nce 1.0 0.0 0.0

$n^* = 1.0$

Output: Colorimetric Television Luminous System TLS00

for hue $h^* = lab^*h = 339/360 = 0.941$
 lab^*ch and lab^*nch

A: hue M
 LCH*Ma: 67 82 339
 olv*Ma: 1.0 0.0 1.0
 triangle lightness t^*



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}	67.48	-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

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

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 34/360 = 0.095$
 lab^*ch and lab^*nch

A: hue R
 LCH*Ma: 49 79 34
 olv*Ma: 1.0 0.0 0.15
 triangle lightness t^*

ORS18; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
Y _{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)	obv^*_a	obv^*_b	obv^*_c	obv^*_d	obv^*_e	obv^*_f	obv^*_g	obv^*_h	obv^*_i	obv^*_j	obv^*_k	obv^*_l
1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75	0.75
0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25	0.25
0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)

obv^*_a	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
obv^*_b	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
obv^*_c	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
obv^*_d	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
obv^*_e	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
obv^*_f	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
obv^*_g	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
obv^*_h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
obv^*_i	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
obv^*_j	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
obv^*_k	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
obv^*_l	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

relative Inform. Technology (IT)

obv^*_a	1.0	0.75	0.788	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
obv^*_b	0.0	1.0	0.75	0.788	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
obv^*_c	0.0	0.0	1.0	0.75	0.788	1.0	0.0	0.0	0.0	0.0	0.0	0.0
obv^*_d	0.0	0.0	0.0	1.0	0.75	0.788	1.0	0.0	0.0	0.0	0.0	0.0
obv^*_e	0.0	0.0	0.0	0.0	1.0	0.75	0.788	1.0	0.0	0.0	0.0	0.0
obv^*_f	0.0	0.0	0.0	0.0	0.0	1.0	0.75	0.788	1.0	0.0	0.0	0.0
obv^*_g	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.75	0.788	1.0	0.0	0.0
obv^*_h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.75	0.788	1.0	0.0
obv^*_i	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.75	0.788	1.0
obv^*_j	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.75	0.788
obv^*_k	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.75
obv^*_l	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0

relative Inform. Technology (IT)

obv^*_a	0.75	0.75	0.75	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
obv^*_b	0.0	0.75	0.75	0.75	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
obv^*_c	0.0	0.0	0.75	0.75	0.75	1.0	0.0	0.0	0.0	0.0	0.0	0.0
obv^*_d	0.0	0.0	0.0	0.75	0.75	0.75	1.0	0.0	0.0	0.0	0.0	0.0
obv^*_e	0.0	0.0	0.0	0.0	0.75	0.75	0.75	1.0	0.0	0.0	0.0	0.0
obv^*_f	0.0	0.0	0.0	0.0	0.0	0.75	0.75	0.75	1.0	0.0	0.0	0.0
obv^*_g	0.0	0.0	0.0	0.0	0.0	0.0	0.75	0.75	0.75	1.0	0.0	0.0
obv^*_h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.75	0.75	0.75	1.0	0.0
obv^*_i	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.75	0.75	0.75	1.0
obv^*_j	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.75	0.75	0.75
obv^*_k	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.75	0.75
obv^*_l	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.75

relative Inform. Technology (IT)

obv^*_a	0.75	0.75	0.75	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
obv^*_b	0.0	0.75	0.75	0.75	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
obv^*_c	0.0	0.0	0.75	0.75	0.75	1.0	0.0	0.0	0.0	0.0	0.0	0.0
obv^*_d	0.0	0.0	0.0	0.75	0.75	0.75	1.0	0.0	0.0	0.0	0.0	0.0
obv^*_e	0.0	0.0	0.0	0.0	0.75	0.75	0.75	1.0	0.0	0.0	0.0	0.0
obv^*_f	0.0	0.0	0.0	0.0	0.0	0.75	0.75	0.75	1.0	0.0	0.0	0.0
obv^*_g	0.0	0.0	0.0	0.0	0.0	0.0	0.75	0.75	0.75	1.0	0.0	0.0
obv^*_h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.75	0.75	0.75	1.0	0.0
obv^*_i	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.75	0.75	0.75	1.0
obv^*_j	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.75	0.75	0.75
obv^*_k	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.75	0.75
obv^*_l	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.75

relative Inform. Technology (IT)

obv^*_a	0.75	0.75	0.75	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
obv^*_b	0.0	0.75	0.75	0.75	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
obv^*_c	0.0	0.0	0.75	0.75	0.75	1.0	0.0	0.0	0.0	0.0	0.0	0.0
obv^*_d	0.0	0.0	0.0	0.75	0.75	0.75	1.0	0.0	0.0	0.0	0.0	0.0
obv^*_e	0.0	0.0	0.0	0.0	0.75	0.75	0.75	1.0	0.0	0.0	0.0	0.0
obv^*_f	0.0	0.0	0.0	0.0	0.0	0.75	0.75	0.75	1.0	0.0	0.0	0.0
obv^*_g	0.0	0.0	0.0	0.0	0.0	0.0	0.75	0.75	0.75	1.0	0.0	0.0
obv^*_h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.75	0.75	0.75	1.0	0.0
obv^*_i	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.75	0.75	0.75	1.0
obv^*_j	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.75	0.75	0.75
obv^*_k	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.75	0.75
obv^*_l	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.75

relative Inform. Technology (IT)

obv^*_a	0.75	0.75	0.75	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
obv^*_b	0.0	0.75	0.75	0.75	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
obv^*_c	0.0	0.0	0.75	0.75	0.75	1.0	0.0	0.0	0.0	0.0	0.0	0.0
obv^*_d	0.0	0.0	0.0	0.75	0.75	0.75	1.0	0.0	0.0	0.0	0.0	0.0
obv^*_e	0.0	0.0	0.0	0.0	0.75	0.75	0.75	1.0	0.0	0.0	0.0	0.0
obv^*_f	0.0	0.0	0.0	0.0	0.0	0.75	0.75	0.75	1.0	0.0	0.0	0.0
obv^*_g	0.0	0.0	0.0	0.0	0.0	0.0	0.75	0.75	0.75	1.0	0.0	0.0
obv^*_h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.75	0.75	0.75	1.0	0.0
obv^*_i	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.75	0.75	0.75	1.0
obv^*_j	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.75	0.75	0.75
obv^*_k	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.75	0.75
obv^*_l	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.75

relative Inform. Technology (IT)

obv^*_a	0.75	0.75	0.75	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
obv^*_b	0.0	0.75	0.75	0.75	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
obv^*_c	0.0	0.0	0.75	0.75	0.75	1.0	0.0	0.0	0.0	0.0	0.0	0.0
obv^*_d	0.0	0.0	0.0	0.75	0.75	0.75	1.0	0.0	0.0	0.0	0.0	0.0
obv^*_e	0.0	0.0	0.0	0.0	0.75	0.75	0.75	1.0	0.0	0.0	0.0	0.0
obv^*_f	0.0	0.0	0.0	0.0	0.0	0.75	0.75	0.75	1.0	0.0	0.0	0.0
obv^*_g	0.0	0.0	0.0	0.0	0.0	0.0	0.75	0.75	0.75	1.0	0.0	0.0
obv^*_h	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.75	0.75	0.75	1.0	0.0
obv^*_i	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.75	0.75	0.75	1.0
obv^*_j	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.75	0.75	0.75
obv^*_k	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.75	0.75
obv^*_l	0											

Input: Colorimetric Offset Reflective System ORS18

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

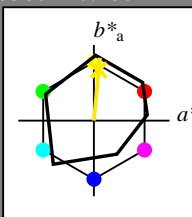
lab^*ch and lab^*nch

A: hue J

LCH*Ma: 89 83 84

olv*Ma: 1.0 0.91 0.0

triangle lightness t^*



%Gamut

$u^*_{rel} = 96$

relative Inform. Technology (IT)

olvi3*	1.0	1.0	1.0	(1.0)
cmv3*	0.0	0.0	0.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmv4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB	LAB*LAB	95.6	0.43	46.5
LAB*LAB	95.6	0.0	0.0	0.0
LAB*LAB	99.99	0.01	0.0	0.0

relative Inform. Technology (IT)

olvi3*	1.0	0.977	0.75	(1.0)
cmv3*	0.0	0.023	0.25	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmv4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB	LAB*LAB	93.83	2.46	25.31
LAB*LAB	93.83	2.02	20.77	0.0
LAB*LAB	97.5	20.86	84.45	0.0

relative Inform. Technology (IT)

olvi3*	1.0	0.954	0.5	(1.0)
cmv3*	0.0	0.046	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmv4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB	LAB*LAB	92.06	4.5	45.96
LAB*LAB	92.06	4.04	41.54	0.0
LAB*LAB	95.4	41.54	84.45	0.0

relative Inform. Technology (IT)

olvi3*	1.0	0.931	0.25	(1.0)
cmv3*	0.0	0.069	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmv4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB	LAB*LAB	90.29	6.54	66.61
LAB*LAB	90.29	6.26	62.31	0.0
LAB*LAB	92.5	62.31	84.45	0.0

relative Inform. Technology (IT)

olvi3*	1.0	0.908	0.0	(1.0)
cmv3*	0.0	0.092	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmv4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB	LAB*LAB	88.52	8.08	87.26
LAB*LAB	88.52	8.08	83.07	0.0
LAB*LAB	90.0	83.07	84.45	0.0

relative Inform. Technology (IT)

olvi3*	1.0	0.887	0.0	(1.0)
cmv3*	0.0	0.113	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmv4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB	LAB*LAB	91.46	5.19	52.13
LAB*LAB	91.46	5.19	52.13	0.0
LAB*LAB	92.5	52.13	84.45	0.0

relative Inform. Technology (IT)

olvi3*	1.0	0.865	0.0	(1.0)
cmv3*	0.0	0.135	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmv4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB	LAB*LAB	92.45	3.89	39.1
LAB*LAB	92.45	3.89	39.1	0.0
LAB*LAB	93.83	39.1	84.45	0.0

relative Inform. Technology (IT)

olvi3*	1.0	0.843	0.0	(1.0)
cmv3*	0.0	0.157	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmv4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB	LAB*LAB	93.43	2.89	26.07
LAB*LAB	93.43	2.89	26.07	0.0
LAB*LAB	95.4	26.07	84.45	0.0

relative Inform. Technology (IT)

olvi3*	1.0	0.821	0.0	(1.0)
cmv3*	0.0	0.181	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmv4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB	LAB*LAB	94.42	1.29	13.03
LAB*LAB	94.42	1.29	13.03	0.0
LAB*LAB	97.5	13.03	84.45	0.0

relative Inform. Technology (IT)

olvi3*	1.0	0.772	0.5	(1.0)
cmv3*	0.0	0.228	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmv4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB	LAB*LAB	94.42	1.29	13.03
LAB*LAB	94.42	1.29	13.03	0.0
LAB*LAB	97.5	13.03	84.45	0.0

relative Inform. Technology (IT)

olvi3*	1.0	0.772	0.5	(1.0)
cmv3*	0.0	0.228	0.5	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmv4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB	LAB*LAB	92.06	4.5	45.96
LAB*LAB	92.06	4.04	41.54	0.0
LAB*LAB	95.4	41.54	84.45	0.0

relative Inform. Technology (IT)

olvi3*	1.0	0.727	0.25	(1.0)
cmv3*	0.0	0.273	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmv4*	0.0	0.0	0.0	0.0
standard and adapted CIELAB	LAB*LAB	74.46	2.66	24.03
LAB*LAB	74.46	2.02	20.77	0.0
LAB*LAB	75.0	20.86	84.45	0.0

relative Inform. Technology (IT)

olvi3*	1.0	0.704	0.25	(1.0)
cmv3*	0.0	0.296	0.75	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmv4*	0.0	0.046	0.5	(0.25)
standard and adapted CIELAB	LAB*LAB	72.69	4.05	41.54
LAB*LAB	72.69	4.05	41.54	0.0
LAB*LAB	75.0	41.54	84.45	0.0

relative Inform. Technology (IT)

olvi3*	1.0	0.682	0.0	(1.0)
cmv3*	0.0	0.318	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmv4*	0.0	0.069	0.75	(0.25)
standard and adapted CIELAB	LAB*LAB	70.92	6.74	65.32
LAB*LAB	70.92	6.26	62.31	0.0
LAB*LAB	72.5	62.31	84.45	0.0

relative Inform. Technology (IT)

olvi3*	1.0	0.661	0.0	(1.0)
cmv3*	0.0	0.339	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmv4*	0.0	0.092	1.0	(0.0)
standard and adapted CIELAB	LAB*LAB	68.52	8.08	87.26
LAB*LAB	68.52	8.08	83.07	0.0
LAB*LAB	70.0	83.07	84.45	0.0

relative Inform. Technology (IT)

olvi3*	1.0	0.640	0.0	(1.0)
cmv3*	0.0	0.360	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmv4*	0.0	0.113	1.0	(0.0)
standard and adapted CIELAB	LAB*LAB	66.52	9.08	87.26
LAB*LAB	66.52	9.08	83.07	0.0
LAB*LAB	68.0	83.07	84.45	0.0

relative Inform. Technology (IT)

olvi3*	1.0	0.619	0.0	(1.0)
cmv3*	0.0	0.381	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmv4*	0.0	0.135	1.0	(0.0)
standard and adapted CIELAB	LAB*LAB	64.52	10.08	87.26
LAB*LAB	64.52	10.08	83.07	0.0
LAB*LAB	66.0	83.07	84.45	0.0

relative Inform. Technology (IT)

olvi3*	1.0	0.598	0.0	(1.0)
cmv3*	0.0	0.402	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmv4*	0.0	0.157	1.0	(0.0)
standard and adapted CIELAB	LAB*LAB	62.52	11.08	87.26
LAB*LAB	62.52	11.08	83.07	0.0
LAB*LAB	64.0	83.07	84.45	0.0

relative Inform. Technology (IT)

olvi3*	1.0	0.577	0.0	(1.0)
cmv3*	0.0	0.423	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmv4*	0.0	0.181	1.0	(0.0)
standard and adapted CIELAB	LAB*LAB	60.52	12.08	87.26
LAB*LAB	60.52	12.08	83.07	0.0
LAB*LAB	62.0	83.07	84.45	0.0

relative Inform. Technology (IT)

olvi3*	1.0	0.556	0.0	(1.0)
cmv3*	0.0	0.439	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmv4*	0.0	0.228	1.0	(0.0)
standard and adapted CIELAB	LAB*LAB	58.52	13.08	87.26
LAB*LAB	58.52	13.08	83.07	0.0
LAB*LAB	60.0	83.07	84.45	0.0

relative Inform. Technology (IT)

olvi3*	1.0	0.535	0.0	(1.0)
cmv3*	0.0	0.461	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmv4*	0.0	0.273	1.0	(0.0)
standard and adapted CIELAB	LAB*LAB	56.52	14.08	87.26
LAB*LAB	56.52	14.08	83.07	0.0
LAB*LAB	58.0	83.07	84.45	0.0

relative Inform. Technology (IT)

olvi3*	1.0	0.514	0.0	(1.0)
cmv3*	0.0	0.478	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmv4*	0.0	0.296	1.0	(0.0)
standard and adapted CIELAB	LAB*LAB	54.52	15.08	87.26
LAB*LAB	54.52	15.08	83.07	0.0
LAB*LAB	56.0	83.07	84.45	0.0

relative Inform. Technology (IT)

olvi3*	1.0	0.493	0.0	(1.0)
cmv3*	0.0	0.494	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmv4*	0.0	0.318	1.0	(0.0)
standard and adapted CIELAB	LAB*LAB	52.52	16.08	87.26
LAB*LAB	52.52	16.08	83.07	0.0
LAB*LAB	54.0	83.07	84.45	0.0

relative Inform. Technology (IT)

olvi3*	1.0	0.472	0.0	(1.0)
cmv3*	0.0	0.516	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmv4*	0.0	0.339	1.0	(0.0)
standard and adapted CIELAB	LAB*LAB	50.52	17.08	87.26
LAB*LAB	50.52	17.08	83.07	0.0
LAB*LAB	52.0	83.07	84.45	0.0

relative Inform. Technology (IT)

olvi3*	1.0	0.451	0.0	(1.0)
cmv3*	0.0	0.535	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmv4*	0.0	0.360	1.0	(0.0)
standard and adapted CIELAB	LAB*LAB	48.52	18.08	87.26
LAB*LAB	48.52	18.08	83.07	0.0
LAB*LAB	50.0	83.07	84.45	0.0

relative Inform. Technology (IT)

olvi3*	1.0	0.430	0.0	(1.0)
cmv3*	0.0	0.556	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmv4*	0.0	0.381	1.0	(0.0)
standard and adapted CIELAB	LAB*LAB	46.52	19.08	87.26
LAB*LAB	46.52	19.08	83.07	0.0
LAB*LAB	48.0	83.07	84.45	0.0

relative Inform. Technology (IT)

olvi3*	1.0	0.409	0.0	(1.0)
cmv3*	0.0	0.577	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmv4*	0.0	0.402	1.0	(0.0)
standard and adapted CIELAB	LAB*LAB	44.52	20.08	87.26
LAB*LAB	44.52	20.08	83.07	0.0
LAB*LAB	46.0	83.07	84.45	0.0

relative Inform. Technology (IT)

olvi3*	1.0	0.388	0.0	(1.0)
cmv3*	0.0	0.598	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmv4*	0.0	0.423	1.0	(0.0)
standard and adapted CIELAB	LAB*LAB	42.52	21.08	87.26
LAB*LAB	42.52	21.08	83.07	0.0
LAB*LAB	44.0	83.07	84.45	0.0

relative Inform. Technology (IT)

olvi3*	1.0	0.367	0.0	(1.0)
cmv3*	0.0	0.619	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmv4*	0.0	0.441	1.0	(0.0)
standard and adapted CIELAB	LAB*LAB	40.52	22.08	87.26
LAB*LAB	40.52	22.08	83.07	0.0
LAB*LAB	42.0	83.07	84.45	0.0

relative Inform. Technology (IT)

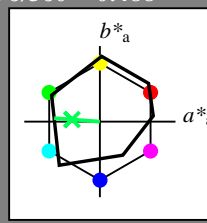
olvi3*	1.0	0.346	0.0	(1.0)
cmv3*	0.0	0.640	1.0	(0.0)
olvi4*	1.0	1.0	1.0	1.0
cmv4*	0.0	0.461	1.0	(0.0)
standard and adapted CIELAB	LAB*LAB	38.52	23.08	87.26
LAB*LAB	38.52	23.08	83.07	0.0
LAB*LAB	40.0	83.07	84.45	0.0

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 176/360 = 0.488$
 lab^*ch and lab^*nch

A: hue G
 LCH*Ma: 51 61 176
 olv*Ma: 0.0 1.0 0.33

triangle lightness t^*



ORS18; adapted (a) CIELAB data

	$L^* = L^*_a$	a^*_a	b^*_a	$C^*_{ab,a}$	$h^*_{ab,a}$
OMa	47.94	64.42	50.58	81.9	38
YMa	92.62	2.41	86.36	86.39	88
LMa	50.9	-63.82	35.02	72.81	151
CLMa	51.25	-53.68	-57.69	78.82	227
VMa	25.72	30.34	-44.37	53.76	304
MMa	56.25	70.59	7.57	70.99	6
NMa	18.11	0.0	0.0	0.0	0
WMa	95.6	0.0	0.0	0.0	0
RCIE	47.79	60.85	41.08	73.41	34
JCIE	83.82	6.52	66.9	67.22	84
GCIE	49.0	-36.83	2.78	36.95	176
BCIE	25.14	-18.35	-56.22	59.15	252

%Regularity

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

relative Inform. Technology (IT)
 olv1* 1.0 1.0 1.0 (1.0)
 olv2* 0.0 0.0 0.0 (0.0)
 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)
 standard and adapted CIELAB
 LAB*LAB 95.6 0.43 0.45
 LAB*LAB 95.6 0.0 0.0
 LAB*TCMa 99.99 0.01 0.0

relative Inform. Technology (IT)
 olv1* 0.75 1.0 0.832 (1.0)
 olv2* 0.25 0.0 0.168 (0.0)
 olv3* 0.75 1.0 0.832 (1.0)
 olv4* 0.25 0.0 0.168 (0.0)
 standard and adapted CIELAB
 LAB*LAB 84.45 -14.57 5.06
 LAB*LAB 84.45 -15.11 1.14
 LAB*TCMa 87.5 15.16 175.7

relative Inform. Technology (IT)
 olv1* 0.5 1.0 0.664 (1.0)
 olv2* 0.5 0.0 0.336 (0.0)
 olv3* 0.5 1.0 0.664 (1.0)
 olv4* 0.5 0.0 0.336 (0.0)
 standard and adapted CIELAB
 LAB*LAB 73.3 -29.59 5.45
 LAB*LAB 73.3 -30.23 2.28
 LAB*TCMa 75.0 30.33 175.69

relative Inform. Technology (IT)
 olv1* 0.25 1.0 0.496 (1.0)
 olv2* 0.25 0.0 0.504 (0.0)
 olv3* 0.25 1.0 0.496 (1.0)
 olv4* 0.25 0.0 0.504 (0.0)
 standard and adapted CIELAB
 LAB*LAB 62.16 -44.61 5.85
 LAB*LAB 62.16 -45.36 3.42
 LAB*TCMa 62.5 45.5 175.69

relative Inform. Technology (IT)
 olv1* 0.125 1.0 0.328 (1.0)
 olv2* 0.125 0.0 0.672 (0.0)
 olv3* 0.125 1.0 0.328 (1.0)
 olv4* 0.125 0.0 0.672 (0.0)
 standard and adapted CIELAB
 LAB*LAB 51.02 -59.62 6.26
 LAB*LAB 51.02 -60.48 4.56
 LAB*TCMa 50.0 60.66 175.69

relative Inform. Technology (IT)
 olv1* 0.0625 1.0 0.194 (1.0)
 olv2* 0.0625 0.0 0.806 (0.0)
 olv3* 0.0625 1.0 0.194 (1.0)
 olv4* 0.0625 0.0 0.806 (0.0)
 standard and adapted CIELAB
 LAB*LAB 42.76 -79.21 6.89
 LAB*LAB 42.76 -80.07 5.19
 LAB*TCMa 42.5 79.21 175.69

relative Inform. Technology (IT)
 olv1* 0.03125 1.0 0.143 (1.0)
 olv2* 0.03125 0.0 0.857 (0.0)
 olv3* 0.03125 1.0 0.143 (1.0)
 olv4* 0.03125 0.0 0.857 (0.0)
 standard and adapted CIELAB
 LAB*LAB 33.93 -94.14 7.12
 LAB*LAB 33.93 -95.00 5.42
 LAB*TCMa 33.75 94.14 175.69

relative Inform. Technology (IT)
 olv1* 0.015625 1.0 0.107 (1.0)
 olv2* 0.015625 0.0 0.893 (0.0)
 olv3* 0.015625 1.0 0.107 (1.0)
 olv4* 0.015625 0.0 0.893 (0.0)
 standard and adapted CIELAB
 LAB*LAB 25.01 -109.15 7.48
 LAB*LAB 25.01 -110.01 5.78
 LAB*TCMa 25.0 109.15 175.69

relative Inform. Technology (IT)
 olv1* 0.0078125 1.0 0.080 (1.0)
 olv2* 0.0078125 0.0 0.920 (0.0)
 olv3* 0.0078125 1.0 0.080 (1.0)
 olv4* 0.0078125 0.0 0.920 (0.0)
 standard and adapted CIELAB
 LAB*LAB 18.12 -124.16 7.77
 LAB*LAB 18.12 -125.02 6.07
 LAB*TCMa 18.11 124.16 175.69

relative Inform. Technology (IT)
 olv1* 0.00390625 1.0 0.061 (1.0)
 olv2* 0.00390625 0.0 0.939 (0.0)
 olv3* 0.00390625 1.0 0.061 (1.0)
 olv4* 0.00390625 0.0 0.939 (0.0)
 standard and adapted CIELAB
 LAB*LAB 12.5 -139.17 8.06
 LAB*LAB 12.5 -140.03 6.36
 LAB*TCMa 12.5 139.17 175.69

relative Inform. Technology (IT)
 olv1* 0.75 0.75 0.75 (1.0)
 olv2* 0.25 0.25 0.25 (0.0)
 olv3* 1.0 1.0 1.0 (1.0)
 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*TCMa 75.0 0.01 -

relative Inform. Technology (IT)
 olv1* 0.5 0.5 0.5 (1.0)
 olv2* 0.5 0.5 0.5 (0.0)
 olv3* 1.0 1.0 1.0 (1.0)
 olv4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 65.08 -14.39 3.77
 LAB*LAB 65.08 -15.12 1.14
 LAB*TCMa 62.5 15.17 175.69

relative Inform. Technology (IT)
 olv1* 0.25 0.25 0.25 (1.0)
 olv2* 0.25 0.25 0.25 (0.0)
 olv3* 1.0 1.0 1.0 (1.0)
 olv4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 53.93 -30.24 2.28
 LAB*LAB 53.93 -30.24 2.28
 LAB*TCMa 50.0 30.34 175.69

relative Inform. Technology (IT)
 olv1* 0.125 0.125 0.125 (1.0)
 olv2* 0.125 0.125 0.125 (0.0)
 olv3* 1.0 1.0 1.0 (1.0)
 olv4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 42.76 -79.21 6.89
 LAB*LAB 42.76 -80.07 5.19
 LAB*TCMa 42.5 79.21 175.69

relative Inform. Technology (IT)
 olv1* 0.0625 0.0625 0.0625 (1.0)
 olv2* 0.0625 0.0625 0.0625 (0.0)
 olv3* 1.0 1.0 1.0 (1.0)
 olv4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 33.93 -94.14 7.12
 LAB*LAB 33.93 -95.00 5.42
 LAB*TCMa 33.75 94.14 175.69

relative Inform. Technology (IT)
 olv1* 0.03125 0.03125 0.03125 (1.0)
 olv2* 0.03125 0.03125 0.03125 (0.0)
 olv3* 1.0 1.0 1.0 (1.0)
 olv4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 25.01 -109.15 7.48
 LAB*LAB 25.01 -110.01 5.78
 LAB*TCMa 25.0 109.15 175.69

relative Inform. Technology (IT)
 olv1* 0.015625 0.015625 0.015625 (1.0)
 olv2* 0.015625 0.015625 0.015625 (0.0)
 olv3* 1.0 1.0 1.0 (1.0)
 olv4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 18.12 -124.16 7.77
 LAB*LAB 18.12 -125.02 6.07
 LAB*TCMa 18.11 124.16 175.69

relative Inform. Technology (IT)
 olv1* 0.0078125 0.0078125 0.0078125 (1.0)
 olv2* 0.0078125 0.0078125 0.0078125 (0.0)
 olv3* 1.0 1.0 1.0 (1.0)
 olv4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 12.5 -139.17 8.06
 LAB*LAB 12.5 -140.03 6.36
 LAB*TCMa 12.5 139.17 175.69

relative Inform. Technology (IT)
 olv1* 0.00390625 0.00390625 0.00390625 (1.0)
 olv2* 0.00390625 0.00390625 0.00390625 (0.0)
 olv3* 1.0 1.0 1.0 (1.0)
 olv4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 9.06 -154.18 8.35
 LAB*LAB 9.06 -155.04 6.65
 LAB*TCMa 9.05 154.18 175.69

relative Inform. Technology (IT)
 olv1* 0.001953125 0.001953125 0.001953125 (1.0)
 olv2* 0.001953125 0.001953125 0.001953125 (0.0)
 olv3* 1.0 1.0 1.0 (1.0)
 olv4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 6.28 -169.19 8.64
 LAB*LAB 6.28 -170.05 6.94
 LAB*TCMa 6.25 169.19 175.69

relative Inform. Technology (IT)
 olv1* 0.25 0.25 0.25 (1.0)
 olv2* 0.75 0.75 0.75 (0.0)
 olv3* 1.0 1.0 1.0 (1.0)
 olv4* 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*TCMa 50.0 0.01 -

relative Inform. Technology (IT)
 olv1* 0.5 0.5 0.5 (1.0)
 olv2* 0.5 0.5 0.5 (0.0)
 olv3* 1.0 1.0 1.0 (1.0)
 olv4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 45.71 -18.48
 LAB*LAB 45.71 -19.22 1.14
 LAB*TCMa 42.5 18.48 175.69

relative Inform. Technology (IT)
 olv1* 0.25 0.25 0.25 (1.0)
 olv2* 0.75 0.75 0.75 (0.0)
 olv3* 1.0 1.0 1.0 (1.0)
 olv4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 33.93 -30.24 2.28
 LAB*LAB 33.93 -30.24 2.28
 LAB*TCMa 30.0 30.34 175.69

relative Inform. Technology (IT)
 olv1* 0.125 0.125 0.125 (1.0)
 olv2* 0.375 0.375 0.375 (0.0)
 olv3* 1.0 1.0 1.0 (1.0)
 olv4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 25.01 -109.15 7.48
 LAB*LAB 25.01 -110.01 5.78
 LAB*TCMa 25.0 109.15 175.69

relative Inform. Technology (IT)
 olv1* 0.0625 0.0625 0.0625 (1.0)
 olv2* 0.1875 0.1875 0.1875 (0.0)
 olv3* 1.0 1.0 1.0 (1.0)
 olv4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 18.12 -124.16 7.77
 LAB*LAB 18.12 -125.02 6.07
 LAB*TCMa 18.11 124.16 175.69

relative Inform. Technology (IT)
 olv1* 0.03125 0.03125 0.03125 (1.0)
 olv2* 0.09375 0.09375 0.09375 (0.0)
 olv3* 1.0 1.0 1.0 (1.0)
 olv4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 12.5 -139.17 8.06
 LAB*LAB 12.5 -140.03 6.36
 LAB*TCMa 12.5 139.17 175.69

relative Inform. Technology (IT)
 olv1* 0.015625 0.015625 0.015625 (1.0)
 olv2* 0.046875 0.046875 0.046875 (0.0)
 olv3* 1.0 1.0 1.0 (1.0)
 olv4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 9.06 -154.18 8.35
 LAB*LAB 9.06 -155.04 6.65
 LAB*TCMa 9.05 154.18 175.69

relative Inform. Technology (IT)
 olv1* 0.0078125 0.0078125 0.0078125 (1.0)
 olv2* 0.0234375 0.0234375 0.0234375 (0.0)
 olv3* 1.0 1.0 1.0 (1.0)
 olv4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 6.28 -169.19 8.64
 LAB*LAB 6.28 -170.05 6.94
 LAB*TCMa 6.25 169.19 175.69

relative Inform. Technology (IT)
 olv1* 0.00390625 0.00390625 0.00390625 (1.0)
 olv2* 0.01171875 0.01171875 0.01171875 (0.0)
 olv3* 1.0 1.0 1.0 (1.0)
 olv4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 4.54 -184.20 8.93
 LAB*LAB 4.54 -185.06 7.23
 LAB*TCMa 4.5 184.20 175.69

relative Inform. Technology (IT)
 olv1* 0.001953125 0.001953125 0.001953125 (1.0)
 olv2* 0.005859375 0.005859375 0.005859375 (0.0)
 olv3* 1.0 1.0 1.0 (1.0)
 olv4* 0.0 0.0 0.0 (0.0)
 standard and adapted CIELAB
 LAB*LAB 3.39 -209.21 9.22
 LAB*LAB 3.39 -210.07 7.52
 LAB*TCMa 3.38 209.21 175.69

relative Inform. Technology (IT)
 olv1* 0.0 0.0 0.0 (1.0)
 olv2* 1.0 1.0 1.0 (0.0)
 olv3* 0.0 0.0 0.0 (1.0)
 olv4* 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*TCMa 0.01 -

relative Inform. Technology (IT)
 olv1* 0.0 0.25 0.0 (1.0)
 olv2* 1.0 0.75 0.918 (0.0)
 olv3* 0.0 0.75 0.882 (0.0)
 olv4* 0.25 0.0 0.168 (0.75)
 standard and adapted CIELAB
 LAB*LAB 26.34 14.01 0.7
 LAB*LAB 26.34 -15.11 1.14
 LAB*TCMa 12.5 15.16 175.67

relative Inform. Technology (IT)
 olv1* 0.0 0.5 0.0 (1.0)
 olv2* 1.0 0.5 0.888 (0.0)
 olv3* 0.0 0.5 0.852 (0.0)
 olv4* 0.25 0.0 0.168 (0.75)
 standard and adapted CIELAB
 LAB*LAB 26.34 14.01 0.7
 LAB*LAB 26.34 -15.11 1.14
 LAB*TCMa 12.5 15.16 175.67

relative Inform. Technology (IT)
 olv1* 0.0 0.75 0.0 (1.0)
 olv2* 1.0 0.25 0.864 (0.0)
 olv3* 0.0 0.25 0.828 (0.0)
 olv4* 0.25 0.0 0.168 (0.75)
 standard and adapted CIELAB
 LAB*LAB 26.34 14.01 0.7
 LAB*LAB 26.34 -15.11 1.14
 LAB*TCMa 12.5 15.16 175.67

relative Inform. Technology (IT)
 olv1* 0.0 1.0 0.0 (1.0)
 olv2* 0.0 0.0 0.0 (0.0)
 olv3* 1.0 0.0 0.0 (1.0)
 olv4* 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*TCMa 0.01 -

relative Inform. Technology (IT)
 olv1* 0.0 0.25 0.25 (1.0)
 olv2* 1.0 0.75 0.918 (0.0)
 olv3* 0.0 0.75 0.882 (0.0)
 olv4* 0.25 0.0 0.168 (0.75)
 standard and adapted CIELAB
 LAB*LAB 26.34 14.01 0.7
 LAB*LAB 26.34 -15.11 1.14
 LAB*TCMa 12.5 15.16 175.67

relative Inform. Technology (IT)
 olv1* 0.0 0.5 0.5 (1.0)
 olv2* 1.0 0.5 0.888 (0.0)
 olv3* 0.0 0.5 0.852 (0.0)
 olv4* 0.25 0.0 0.168 (0.75)
 standard and adapted CIELAB
 LAB*LAB 26.34 14.01 0.7
 LAB*LAB 26.34 -15.11 1.14
 LAB*TCMa 12.5 15.16 175.67

relative Inform. Technology (IT)
 olv1* 0.0 0.75 0.75 (1.0)
 olv2* 1.0 0.25 0.864 (0.0)
 olv3* 0.0 0.25 0.828 (0.0)
 olv4* 0.25 0.0 0.168 (0.75)
 standard and adapted CIELAB
 LAB*LAB 26.34 14.01 0.7
 LAB*LAB 26.34 -15.11 1.14
 LAB*TCMa 12.5 15.16 175.67

relative Inform. Technology (IT)
 olv1* 0.0 1.0 1.0 (1.0)
 olv2* 0.0 0.0 0.0 (0.0)
 olv3* 1.0 0.0 0.0 (1.0)
 olv4* 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*TCMa 0.01 -

relative Inform. Technology (IT)
 olv1* 0.0 0.25 0.25 (1.0)
 olv2* 1.0 0.75 0.918 (0.0)
 olv3* 0.0 0.75 0.882 (0.0)
 olv4* 0.25 0.0 0.168 (0.75)
 standard and adapted CIELAB
 LAB*LAB 26.34 14.01 0.7
 LAB*LAB 26.34 -15.11 1.14
 LAB*TCMa 12.5 15.16 175.67

relative Inform. Technology (IT)
 olv1* 0.0 0.0 0.0 (1.0)
 olv2* 1.0 1.0 1.0 (0.0)
 olv3* 0.0 0.0 0.0 (1.0)
 olv4* 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*TCMa 0.01 -

relative Inform. Technology (IT)
 olv1* 0.0 0.25 0.25 (1.0)
 olv2* 1.0 0.75 0.918 (0.0)
 olv3* 0.0 0.75 0.882 (0.0)
 olv4* 0.25 0.0 0.168 (0.75)
 standard and adapted CIELAB
 LAB*LAB 26.34 14.01 0.7
 LAB*LAB 26.34 -15.11 1.14
 LAB*TCMa 12.5 15.16 175.67

relative Inform. Technology (IT)
 olv1* 0.0 0.5 0.5 (1.0)
 olv2* 1.0 0.5 0.888 (0.0)
 olv3* 0.0 0.5 0.852 (0.0)
 olv4* 0.25 0.0 0.168 (0.75)
 standard and adapted CIELAB
 LAB*LAB 26.34 14.01 0.7
 LAB*LAB 26.34 -15.11 1.14
 LAB*TCMa 12.5 15.16 175.67

relative Inform. Technology (IT)
 olv1* 0.0 0.75 0.75 (1.0)
 olv2* 1.0 0.25 0.864 (0.0)
 olv3* 0.0 0.25 0.828 (0.0)
 olv4* 0.25 0.0 0.168 (0.75)
 standard and adapted CIELAB
 LAB*LAB 26.34 14.01 0.7
 LAB*LAB 26.34 -15.11 1.14
 LAB*TCMa 12.5 15.16 175.67

relative Inform. Technology (IT)
 olv1* 0.0 1.0 1.0 (1.0)
 olv2* 0.0 0.0 0.0 (0.0)
 olv3* 1.0 0.0 0.0 (1.0)
 olv4* 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*TCMa 0.01 -

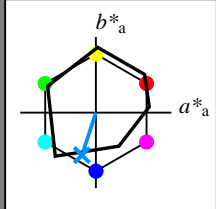
relative Inform. Technology (IT)
 olv1* 0.0 0.25 0.25 (1.0)
 olv2* 1.0 0.75 0.918 (0.0)
 olv3* 0.0 0.75 0.882 (0.0)
 olv4* 0.25 0.0 0.168 (0.75)
 standard and adapted CIELAB
 LAB

Input: Colorimetric Offset Reflective System ORS18

for hue $h^* = lab^*h = 252/360 = 0.7$
 lab^*ch 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)

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
olvi5*	0.0	0.0	0.0	0.0
olvi5*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	95.6	0.43	46.5
LAB*LAB	95.6	0.0	0.0
LAB*LAB	99.99	0.01	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.891	1.0	(1.0)
olvi3*	0.25	0.109	0.0	(0.0)
olvi4*	0.75	0.891	1.0	1.0
olvi4*	0.25	0.109	0.0	0.0
olvi5*	0.0	0.0	0.0	0.0
olvi5*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	81.72	-3.66	-9.22
LAB*LAB	81.72	-4.23	-12.95
LAB*LAB	87.5	13.64	251.9

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
BC _{IE}	25.14	-18.35	-56.22	59.15	252

%Regularity

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

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

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	0.75
olvi4*	0.0	0.0	0.0	0.25
olvi5*	0.0	0.0	0.0	0.0
olvi5*	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 Inform. Technology (IT)

olvi3*	0.75	0.891	1.0	(1.0)
olvi3*	0.25	0.109	0.0	(0.0)
olvi4*	0.75	0.891	1.0	0.75
olvi4*	0.25	0.109	0.0	0.25
olvi5*	0.0	0.0	0.0	0.0
olvi5*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	62.35	-3.47	-10.51
LAB*LAB	62.35	-4.23	-12.96
LAB*LAB	62.5	13.64	251.92

relative Inform. Technology (IT)

olvi3*	0.5	0.641	0.75	(1.0)
olvi3*	0.25	0.359	0.25	(0.0)
olvi4*	0.75	0.891	1.0	0.75
olvi4*	0.25	0.109	0.0	0.25
olvi5*	0.0	0.0	0.0	0.0
olvi5*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	67.84	-7.76	-23.11
LAB*LAB	67.84	-8.46	-25.92
LAB*LAB	75.0	27.28	251.91

relative Inform. Technology (IT)

olvi3*	0.25	0.672	1.0	(1.0)
olvi3*	0.0	0.328	0.0	(0.0)
olvi4*	0.5	0.781	1.0	1.0
olvi4*	0.25	0.219	0.0	0.25
olvi5*	0.0	0.0	0.0	0.0
olvi5*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	67.84	-7.76	-23.11
LAB*LAB	67.84	-8.46	-25.92
LAB*LAB	75.0	27.28	251.91

relative Inform. Technology (IT)

olvi3*	0.25	0.672	1.0	(1.0)
olvi3*	0.0	0.328	0.0	(0.0)
olvi4*	0.5	0.781	1.0	1.0
olvi4*	0.25	0.219	0.0	0.25
olvi5*	0.0	0.0	0.0	0.0
olvi5*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	53.96	-11.87	-37.0
LAB*LAB	53.96	-12.69	-38.89
LAB*LAB	62.5	40.92	251.91

relative Inform. Technology (IT)

olvi3*	0.0	0.563	1.0	(1.0)
olvi3*	0.0	0.437	0.0	(0.0)
olvi4*	1.0	1.0	1.0	0.5
olvi4*	0.0	0.563	0.0	0.5
olvi5*	0.0	0.0	0.0	0.0
olvi5*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	40.09	-16.93	-51.85
LAB*LAB	40.09	-17.71	-53.85
LAB*LAB	50.0	54.56	251.91

relative Inform. Technology (IT)

olvi3*	0.0	0.422	0.75	(1.0)
olvi3*	0.0	0.578	0.25	(0.0)
olvi4*	0.5	0.672	1.0	0.75
olvi4*	0.25	0.328	0.0	0.25
olvi5*	0.0	0.0	0.0	0.0
olvi5*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	48.47	-7.57	-24.4
LAB*LAB	48.47	-8.46	-25.93
LAB*LAB	50.0	27.29	251.91

relative Inform. Technology (IT)

olvi3*	0.0	0.422	0.75	(1.0)
olvi3*	0.0	0.578	0.25	(0.0)
olvi4*	0.5	0.672	1.0	0.75
olvi4*	0.25	0.328	0.0	0.25
olvi5*	0.0	0.0	0.0	0.0
olvi5*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	40.09	-16.93	-51.85
LAB*LAB	40.09	-17.71	-53.85
LAB*LAB	50.0	54.56	251.91

relative Inform. Technology (IT)

olvi3*	0.25	0.672	1.0	(1.0)
olvi3*	0.0	0.328	0.0	(0.0)
olvi4*	0.75	0.874	1.0	0.75
olvi4*	0.25	0.126	0.0	0.25
olvi5*	0.0	0.0	0.0	0.0
olvi5*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	58.98	-5.3	-17.32
LAB*LAB	58.98	-5.3	-17.32
LAB*LAB	62.5	18.12	252.95

relative Inform. Technology (IT)

olvi3*	0.25	0.672	1.0	(1.0)
olvi3*	0.0	0.328	0.0	(0.0)
olvi4*	0.75	0.874	1.0	0.75
olvi4*	0.25	0.126	0.0	0.25
olvi5*	0.0	0.0	0.0	0.0
olvi5*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	58.98	-5.3	-17.32
LAB*LAB	58.98	-5.3	-17.32
LAB*LAB	62.5	18.12	252.95

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	0.5
olvi4*	0.0	0.0	0.0	0.5
olvi5*	0.0	0.0	0.0	0.0
olvi5*	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*LAB	50.0	0.01	0.0

relative Inform. Technology (IT)

olvi3*	0.75	0.891	1.0	(1.0)
olvi3*	0.25	0.109	0.0	(0.0)
olvi4*	0.75	0.891	1.0	0.75
olvi4*	0.25	0.109	0.0	0.25
olvi5*	0.0	0.0	0.0	0.0
olvi5*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	42.98	-3.40	-11.8
LAB*LAB	42.98	-4.23	-12.96
LAB*LAB	37.5	13.64	251.92

relative Inform. Technology (IT)

olvi3*	0.5	0.641	0.75	(1.0)
olvi3*	0.25	0.359	0.25	(0.0)
olvi4*	0.75	0.891	1.0	0.75
olvi4*	0.25	0.109	0.0	0.25
olvi5*	0.0	0.0	0.0	0.0
olvi5*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	42.98	-3.40	-11.8
LAB*LAB	42.98	-4.23	-12.96
LAB*LAB	37.5	13.64	251.92

relative Inform. Technology (IT)

olvi3*	0.25	0.672	1.0	(1.0)
olvi3*	0.0	0.328	0.0	(0.0)
olvi4*	0.5	0.781	1.0	0.75
olvi4*	0.25	0.219	0.0	0.25
olvi5*	0.0	0.0	0.0	0.0
olvi5*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	48.47	-7.57	-24.4
LAB*LAB	48.47	-8.46	-25.93
LAB*LAB	50.0	27.29	251.91

relative Inform. Technology (IT)

olvi3*	0.25	0.672	1.0	(1.0)
olvi3*	0.0	0.328	0.0	(0.0)
olvi4*	0.5	0.781	1.0	0.75
olvi4*	0.25	0.219	0.0	0.25
olvi5*	0.0	0.0	0.0	0.0
olvi5*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	40.09	-16.93	-51.85
LAB*LAB	40.09	-17.71	-53.85
LAB*LAB	50.0	54.56	251.91

relative Inform. Technology (IT)

olvi3*	0.0	0.422	0.75	(1.0)
olvi3*	0.0	0.578	0.25	(0.0)
olvi4*	0.5	0.672	1.0	0.75
olvi4*	0.25	0.328	0.0	0.25
olvi5*	0.0	0.0	0.0	0.0
olvi5*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	48.47	-7.57	-24.4
LAB*LAB	48.47	-8.46	-25.93
LAB*LAB	50.0	27.29	251.91

relative Inform. Technology (IT)

olvi3*	0.0	0.422	0.75	(1.0)
olvi3*	0.0	0.578	0.25	(0.0)
olvi4*	0.5	0.672	1.0	0.75
olvi4*	0.25	0.328	0.0	0.25
olvi5*	0.0	0.0	0.0	0.0
olvi5*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	40.09	-16.93	-51.85
LAB*LAB	40.09	-17.71	-53.85
LAB*LAB	50.0	54.56	251.91

relative Inform. Technology (IT)

olvi3*	0.25	0.672	1.0	(1.0)
olvi3*	0.0	0.328	0.0	(0.0)
olvi4*	0.75	0.874	1.0	0.75
olvi4*	0.25	0.126	0.0	0.25
olvi5*	0.0	0.0	0.0	0.0
olvi5*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	58.98	-5.3	-17.32
LAB*LAB	58.98	-5.3	-17.32
LAB*LAB	62.5	18.12	252.95

relative Inform. Technology (IT)

olvi3*	0.25	0.672	1.0	(1.0)
olvi3*	0.0	0.328	0.0	(0.0)
olvi4*	0.75	0.874	1.0	0.75
olvi4*	0.25	0.126	0.0	0.25
olvi5*	0.0	0.0	0.0	0.0
olvi5*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	58.98	-5.3	-17.32
LAB*LAB	58.98	-5.3	-17.32
LAB*LAB	62.5	18.12	252.95

relative Inform. Technology (IT)

olvi3*	0.25	0.672	1.0	(1.0)
olvi3*	0.0	0.328	0.0	(0.0)
olvi4*	0.75	0.874	1.0	0.75
olvi4*	0.25	0.126	0.0	0.25
olvi5*	0.0	0.0	0.0	0.0
olvi5*	0.0	0.0	0.0	0.0

standard and adapted CIELAB

LAB*LAB	58.98	-5.3	-17.32
LAB*LAB	58.98	-5.3	-17.32
LAB*LAB	62.5	18.12	252.95

relative Inform. Technology (IT)

olvi3*	0.25	0.25	0.25	(1.0)
olvi3*	0.75	0.75	0.75	(0.0)
olvi4*	1.0	1.0	1.0	0.5
olvi4*				