

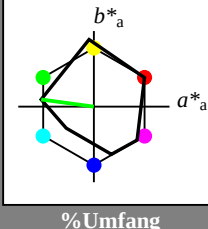
Eingabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 172/360 = 0.479$

lab^*ch und lab^*nch

D65: Buntton G
LCH*Ma: 52 70 172
rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 -0.97 4.75
LAB*LAB 95.41 0.0 0.0
LAB*LAB 95.41 0.0 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*tr 1.0 0.0 0.0
lab*ce 1.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
olvi4* 0.25 0.25 0.25 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.6 3.44
LAB*LAB 76.06 0.0 0.0
LAB*LAB 76.06 0.0 0.0

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 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*ce 0.75 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (0.0)
olvi4* 0.5 0.5 0.5 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LAB 56.71 0.0 0.0
LAB*LAB 56.71 0.0 0.0

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*tr 0.5 0.0 0.0
lab*ce 0.5 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
olvi4* 0.75 0.75 0.75 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.83 0.83
LAB*LAB 37.36 0.0 0.0
LAB*LAB 37.36 0.0 0.0

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*tr 0.25 0.0 0.0
lab*ce 0.25 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
olvi4* 1.0 1.0 1.0 (0.0)
olvi5* 1.0 1.0 1.0 (0.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.46
LAB*LAB 18.02 0.0 0.0
LAB*LAB 18.02 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 1.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*ce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

$n^* = 1.0$

MRS18; adaptierte CIELAB-Daten

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

%Regularität

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

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

relative Inform. Technology (IT)
olvi3* 0.5 1.0 0.5 (1.0)
olvi4* 0.5 1.0 0.5 (0.0)
olvi5* 0.5 1.0 0.5 (0.0)
olvi6* 0.5 1.0 0.5 (0.0)
olvi7* 0.5 1.0 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 73.75 -35.42 8.02
LAB*LAB 73.75 -34.85 4.72
LAB*LAB 73.75 -35.42 8.02

relative CIELAB lab*
lab*lab 0.72 -0.494 0.067
lab*ch 0.75 0.5 0.479
lab*nch 0.0 0.5 0.479
relative Natural Colour (NC)
lab*tr 0.72 -0.496 -0.056
lab*ce 0.75 0.5 0.518
lab*nce 0.0 0.5 0.676

relative Inform. Technology (IT)
olvi3* 0.25 0.75 0.25 (1.0)
olvi4* 0.75 0.25 0.75 (0.0)
olvi5* 0.75 0.25 0.75 (0.0)
olvi6* 0.75 0.25 0.75 (0.0)
olvi7* 0.75 0.25 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 54.41 -35.05 6.71
LAB*LAB 54.41 -34.86 4.72
LAB*LAB 54.41 -35.05 6.71

relative CIELAB lab*
lab*lab 0.61 -0.247 -0.028
lab*ch 0.625 0.25 0.518
lab*nch 0.0 0.25 0.518
relative Natural Colour (NC)
lab*tr 0.61 -0.247 -0.028
lab*ce 0.625 0.25 0.518
lab*nce 0.0 0.25 0.676

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.5 (0.0)
olvi4* 0.5 0.5 0.5 (0.0)
olvi5* 0.5 0.5 0.5 (0.0)
olvi6* 0.5 0.5 0.5 (0.0)
olvi7* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 45.88 -17.46 3.78
LAB*LAB 45.88 -17.42 3.78
LAB*LAB 45.88 -17.46 3.78

relative CIELAB lab*
lab*lab 0.33 -0.742 0.101
lab*ch 0.375 0.5 0.479
lab*nch 0.0 0.5 0.479
relative Natural Colour (NC)
lab*tr 0.33 -0.744 -0.085
lab*ce 0.375 0.5 0.518
lab*nce 0.0 0.5 0.676

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
olvi4* 0.75 0.25 0.75 (0.0)
olvi5* 0.75 0.25 0.75 (0.0)
olvi6* 0.75 0.25 0.75 (0.0)
olvi7* 0.75 0.25 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 35.06 -34.85 4.72
LAB*LAB 35.06 -34.85 4.72
LAB*LAB 35.06 -34.85 4.72

relative CIELAB lab*
lab*lab 0.22 -0.494 0.067
lab*ch 0.25 0.5 0.479
lab*nch 0.0 0.5 0.479
relative Natural Colour (NC)
lab*tr 0.22 -0.496 -0.056
lab*ce 0.25 0.5 0.518
lab*nce 0.0 0.5 0.676

$n^* = 0.50$

relative Inform. Technology (IT)
olvi3* 0.25 1.0 0.25 (1.0)
olvi4* 0.25 1.0 0.25 (0.0)
olvi5* 0.25 1.0 0.25 (0.0)
olvi6* 0.25 1.0 0.25 (0.0)
olvi7* 0.25 1.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 62.93 -52.64 9.65
LAB*LAB 62.93 -52.28 7.08
LAB*LAB 62.93 -52.64 9.65

relative CIELAB lab*
lab*lab 0.58 -0.244 -0.085
lab*ch 0.625 0.75 0.518
lab*nch 0.0 0.75 0.676
relative Natural Colour (NC)
lab*tr 0.58 -0.244 -0.085
lab*ce 0.625 0.75 0.518
lab*nce 0.0 0.75 0.676

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
olvi4* 0.75 0.25 0.75 (0.0)
olvi5* 0.75 0.25 0.75 (0.0)
olvi6* 0.75 0.25 0.75 (0.0)
olvi7* 0.75 0.25 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 52.11 -69.86 11.28
LAB*LAB 52.11 -69.71 9.44
LAB*LAB 52.11 -69.86 11.28

relative CIELAB lab*
lab*lab 0.441 -0.59 0.134
lab*ch 0.5 0.5 0.479
lab*nch 0.0 0.5 0.479
relative Natural Colour (NC)
lab*tr 0.441 -0.592 -0.114
lab*ce 0.5 0.5 0.518
lab*nce 0.0 0.5 0.676

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
olvi4* 1.0 0.0 0.0 (0.0)
olvi5* 1.0 0.0 0.0 (0.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.46
LAB*LAB 18.02 0.0 0.0
LAB*LAB 18.02 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 1.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*ce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

$n^* = 0.25$

$n^* = 0.00$

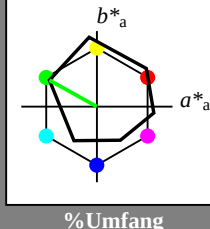
Ausgabe: Farbmetrisches Reflexions-System ORS18

für Buntton $h^* = lab^*h = 151/360 = 0.419$

lab^*ch und lab^*nch

D65: Buntton L
LCH*Ma: 51 72 151
rgb*Ma: 0.0 1.0 0.0

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
olvi4* 0.0 0.0 0.0 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 95.41 -0.97 4.75
LAB*LAB 95.41 0.0 0.0
LAB*LAB 95.41 0.0 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*tr 1.0 0.0 0.0
lab*ce 1.0 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.75 0.75 0.75 (1.0)
olvi4* 0.25 0.25 0.25 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 76.06 -0.6 3.44
LAB*LAB 76.06 0.0 0.0
LAB*LAB 76.06 0.0 0.0

relative CIELAB lab*
lab*lab 0.75 0.0 0.0
lab*ch 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*ce 0.75 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (0.0)
olvi4* 0.5 0.5 0.5 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 56.71 -0.23 2.14
LAB*LAB 56.71 0.0 0.0
LAB*LAB 56.71 0.0 0.0

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*tr 0.5 0.0 0.0
lab*ce 0.5 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.25 0.25 0.25 (1.0)
olvi4* 0.75 0.75 0.75 (0.0)
olvi5* 1.0 1.0 1.0 (1.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 37.36 -0.83 0.83
LAB*LAB 37.36 0.0 0.0
LAB*LAB 37.36 0.0 0.0

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*tr 0.25 0.0 0.0
lab*ce 0.25 0.0 0.0
lab*nce 0.0 0.0 0.0

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
olvi4* 1.0 0.0 0.0 (0.0)
olvi5* 1.0 0.0 0.0 (0.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.46
LAB*LAB 18.02 0.0 0.0
LAB*LAB 18.02 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 1.0 0.0 0.0
relative Natural Colour (NC)
lab*tr 0.0 0.0 0.0
lab*ce 0.0 0.0 0.0
lab*nce 1.0 0.0 0.0

$n^* = 1.0$

ORS18; adaptierte CIELAB-Daten

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

%Regularität

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

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

relative Inform. Technology (IT)
olvi3* 0.5 0.75 0.5 (1.0)
olvi4* 0.5 0.75 0.5 (0.0)
olvi5* 0.5 0.75 0.5 (0.0)
olvi6* 0.5 0.75 0.5 (0.0)
olvi7* 0.5 0.75 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 73.15 -31.94 20.73
LAB*LAB 73.15 -31.38 17.47
LAB*LAB 73.15 -31.94 20.73

relative CIELAB lab*
lab*lab 0.712 -0.436 0.243
lab*ch 0.75 0.5 0.419
lab*nch 0.0 0.5 0.419
relative Natural Colour (NC)
lab*tr 0.712 -0.478 0.144
lab*ce 0.75 0.5 0.453
lab*nce 0.0 0.5 0.618

relative Inform. Technology (IT)
olvi3* 0.25 0.75 0.25 (1.0)
olvi4* 0.75 0.25 0.75 (0.0)
olvi5* 0.75 0.25 0.75 (0.0)
olvi6* 0.75 0.25 0.75 (0.0)
olvi7* 0.75 0.25 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 53.8 -31.38 17.47
LAB*LAB 53.8 -31.38 17.47
LAB*LAB 53.8 -31.38 17.47

relative CIELAB lab*
lab*lab 0.569 -0.717 0.217
lab*ch 0.625 0.75 0.419
lab*nch 0.0 0.75 0.419
relative Natural Colour (NC)
lab*tr 0.569 -0.717 0.217
lab*ce 0.625 0.75 0.453
lab*nce 0.0 0.75 0.618

relative Inform. Technology (IT)
olvi3* 0.0 0.5 0.5 (0.0)
olvi4* 0.5 0.5 0.5 (0.0)
olvi5* 0.5 0.5 0.5 (0.0)
olvi6* 0.5 0.5 0.5 (0.0)
olvi7* 0.5 0.5 0.5 (0.0)
standard and adapted CIELAB
LAB*LAB 45.88 -17.46 3.78
LAB*LAB 45.88 -17.42 3.78
LAB*LAB 45.88 -17.46 3.78

relative CIELAB lab*
lab*lab 0.33 -0.742 0.101
lab*ch 0.375 0.5 0.479
lab*nch 0.0 0.5 0.479
relative Natural Colour (NC)
lab*tr 0.33 -0.744 -0.085
lab*ce 0.375 0.5 0.518
lab*nce 0.0 0.5 0.676

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
olvi4* 0.75 0.25 0.75 (0.0)
olvi5* 0.75 0.25 0.75 (0.0)
olvi6* 0.75 0.25 0.75 (0.0)
olvi7* 0.75 0.25 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 52.11 -69.86 11.28
LAB*LAB 52.11 -69.71 9.44
LAB*LAB 52.11 -69.86 11.28

relative CIELAB lab*
lab*lab 0.441 -0.59 0.134
lab*ch 0.5 0.5 0.479
lab*nch 0.0 0.5 0.479
relative Natural Colour (NC)
lab*tr 0.441 -0.592 -0.114
lab*ce 0.5 0.5 0.518
lab*nce 0.0 0.5 0.676

$n^* = 0.50$

relative Inform. Technology (IT)
olvi3* 0.25 1.0 0.25 (1.0)
olvi4* 0.25 1.0 0.25 (0.0)
olvi5* 0.25 1.0 0.25 (0.0)
olvi6* 0.25 1.0 0.25 (0.0)
olvi7* 0.25 1.0 0.25 (0.0)
standard and adapted CIELAB
LAB*LAB 62.02 -47.43 28.71
LAB*LAB 62.02 -47.09 26.21
LAB*LAB 62.02 -47.43 28.71

relative CIELAB lab*
lab*lab 0.569 -0.654 0.365
lab*ch 0.625 0.75 0.419
lab*nch 0.0 0.75 0.419
relative Natural Colour (NC)
lab*tr 0.569 -0.654 0.365
lab*ce 0.625 0.75 0.453
lab*nce 0.0 0.75 0.618

relative Inform. Technology (IT)
olvi3* 0.0 0.25 0.25 (1.0)
olvi4* 0.75 0.25 0.75 (0.0)
olvi5* 0.75 0.25 0.75 (0.0)
olvi6* 0.75 0.25 0.75 (0.0)
olvi7* 0.75 0.25 0.75 (0.0)
standard and adapted CIELAB
LAB*LAB 35.06 -34.85 4.72
LAB*LAB 35.06 -34.85 4.72
LAB*LAB 35.06 -34.85 4.72

relative CIELAB lab*
lab*lab 0.22 -0.494 0.067
lab*ch 0.25 0.5 0.479
lab*nch 0.0 0.5 0.479
relative Natural Colour (NC)
lab*tr 0.22 -0.496 -0.056
lab*ce 0.25 0.5 0.518
lab*nce 0.0 0.5 0.676

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
olvi4* 1.0 0.0 0.0 (0.0)
olvi5* 1.0 0.0 0.0 (0.0)
olvi6* 0.0 0.0 0.0 (0.0)
olvi7* 0.0 0.0 0.0 (0.0)
standard and adapted CIELAB
LAB*LAB 18.02 0.0 0.46
LAB*LAB 18.02 0.0 0.0
LAB*LAB 18.02 0.0 0.0

relative CIELAB lab*
lab*lab

1,00
e Buntheit c^*

D65: 2 Koordinaten-Daten von 5stufigen Farbreihen für 10 Bunttöne

Eingabe: Farbmetrisches Reflexions-System MRS18

für Buntton $h^* = lab^*h = 92/360 = 0.255$

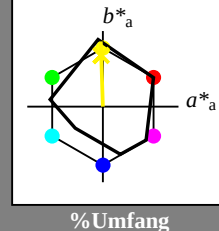
lab^*ch und lab^*nch

D65: Buntton J

LCH*Ma: 89 86 92

rgb*Ma: 1.0 0.95 0.0

Dreiecks-Helligkeit t^*



relative Inform. Technology (IT)
olvi3* 1.0 1.0 1.0 (1.0)
cmyn3* 0.0 0.0 0.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
LAB*LAB 95.41 -0.97 4.75
LAB*Lab 95.41 0.0 0.0
LAB*TCa 99.99 0.01 -

relative Inform. Technology (IT)
olvi3* 1.0 0.988 0.75 (1.0)
cmyn3* 0.0 0.012 0.25 (0.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
LAB*LAB 93.72 -1.64 26.21
LAB*Lab 93.72 -0.69 21.57
LAB*TCa 97.5 21.58 91.86

relative Inform. Technology (IT)
olvi3* 1.0 0.978 0.5 (1.0)
cmyn3* 0.0 0.022 0.5 (0.0)
olvi4* 1.0 0.978 0.5 (1.0)
cmyn4* 0.0 0.022 0.5 (0.0)
LAB*LAB 92.04 -2.3 47.67
LAB*Lab 92.04 -1.29 43.14
LAB*TCa 97.5 21.58 91.86

relative Inform. Technology (IT)
olvi3* 1.0 0.963 0.25 (1.0)
cmyn3* 0.0 0.037 0.25 (0.0)
olvi4* 1.0 0.963 0.25 (1.0)
cmyn4* 0.0 0.037 0.25 (0.0)
LAB*LAB 90.36 -2.96 69.13
LAB*Lab 90.36 -0.88 64.71
LAB*TCa 97.5 21.58 91.86

relative Inform. Technology (IT)
olvi3* 1.0 0.953 0.0 (1.0)
cmyn3* 0.0 0.047 0.0 (0.0)
olvi4* 1.0 0.953 0.0 (1.0)
cmyn4* 0.0 0.047 0.0 (0.0)
LAB*LAB 88.68 -3.62 90.58
LAB*Lab 88.68 -1.44 85.85
LAB*TCa 97.5 21.58 91.86

relative Inform. Technology (IT)
olvi3* 1.0 0.943 0.0 (1.0)
cmyn3* 0.0 0.057 0.0 (0.0)
olvi4* 1.0 0.943 0.0 (1.0)
cmyn4* 0.0 0.057 0.0 (0.0)
LAB*LAB 86.19 -4.32 91.83
LAB*Lab 86.19 -2.92 87.69
LAB*TCa 97.5 21.58 91.86

relative Inform. Technology (IT)
olvi3* 1.0 0.933 0.0 (1.0)
cmyn3* 0.0 0.067 0.0 (0.0)
olvi4* 1.0 0.933 0.0 (1.0)
cmyn4* 0.0 0.067 0.0 (0.0)
LAB*LAB 83.71 -5.00 91.86
LAB*Lab 83.71 -3.44 87.69
LAB*TCa 97.5 21.58 91.86

relative Inform. Technology (IT)
olvi3* 1.0 0.923 0.0 (1.0)
cmyn3* 0.0 0.077 0.0 (0.0)
olvi4* 1.0 0.923 0.0 (1.0)
cmyn4* 0.0 0.077 0.0 (0.0)
LAB*LAB 81.26 -5.68 91.86
LAB*Lab 81.26 -4.00 87.69
LAB*TCa 97.5 21.58 91.86

relative Inform. Technology (IT)
olvi3* 1.0 0.913 0.0 (1.0)
cmyn3* 0.0 0.087 0.0 (0.0)
olvi4* 1.0 0.913 0.0 (1.0)
cmyn4* 0.0 0.087 0.0 (0.0)
LAB*LAB 78.75 -6.36 91.86
LAB*Lab 78.75 -4.68 87.69
LAB*TCa 97.5 21.58 91.86

relative Inform. Technology (IT)
olvi3* 1.0 0.903 0.0 (1.0)
cmyn3* 0.0 0.097 0.0 (0.0)
olvi4* 1.0 0.903 0.0 (1.0)
cmyn4* 0.0 0.097 0.0 (0.0)
LAB*LAB 76.26 -7.04 91.86
LAB*Lab 76.26 -5.36 87.69
LAB*TCa 97.5 21.58 91.86

relative Inform. Technology (IT)
olvi3* 1.0 0.893 0.0 (1.0)
cmyn3* 0.0 0.107 0.0 (0.0)
olvi4* 1.0 0.893 0.0 (1.0)
cmyn4* 0.0 0.107 0.0 (0.0)
LAB*LAB 73.75 -7.72 91.86
LAB*Lab 73.75 -6.04 87.69
LAB*TCa 97.5 21.58 91.86

relative Inform. Technology (IT)
olvi3* 1.0 0.883 0.0 (1.0)
cmyn3* 0.0 0.117 0.0 (0.0)
olvi4* 1.0 0.883 0.0 (1.0)
cmyn4* 0.0 0.117 0.0 (0.0)
LAB*LAB 71.26 -8.40 91.86
LAB*Lab 71.26 -6.72 87.69
LAB*TCa 97.5 21.58 91.86

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)
LAB*LAB 76.06 -0.6 3.44
LAB*Lab 76.06 0.0 0.0
LAB*TCa 75.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.75 0.726 0.25 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
LAB*LAB 74.38 -1.26 24.91
LAB*Lab 74.38 -0.68 21.57
LAB*TCa 62.5 21.58 91.84

relative Inform. Technology (IT)
olvi3* 0.75 0.706 0.5 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
LAB*LAB 72.7 -1.92 46.37
LAB*Lab 72.7 -1.38 43.14
LAB*TCa 62.5 21.58 91.84

relative Inform. Technology (IT)
olvi3* 0.75 0.686 0.75 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
LAB*LAB 71.02 -2.60 64.71
LAB*Lab 71.02 -2.07 64.71
LAB*TCa 62.5 21.58 91.84

relative Inform. Technology (IT)
olvi3* 0.75 0.666 1.0 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
LAB*LAB 69.36 -3.28 69.13
LAB*Lab 69.36 -2.74 64.71
LAB*TCa 62.5 21.58 91.84

relative Inform. Technology (IT)
olvi3* 0.75 0.646 1.0 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
LAB*LAB 67.69 -3.96 91.86
LAB*Lab 67.69 -3.44 87.69
LAB*TCa 62.5 21.58 91.86

relative Inform. Technology (IT)
olvi3* 0.75 0.626 1.0 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
LAB*LAB 66.01 -4.64 91.86
LAB*Lab 66.01 -4.12 87.69
LAB*TCa 62.5 21.58 91.86

relative Inform. Technology (IT)
olvi3* 0.75 0.606 1.0 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
LAB*LAB 64.34 -5.32 91.86
LAB*Lab 64.34 -4.80 87.69
LAB*TCa 62.5 21.58 91.86

relative Inform. Technology (IT)
olvi3* 0.75 0.586 1.0 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
LAB*LAB 62.66 -6.00 91.86
LAB*Lab 62.66 -5.48 87.69
LAB*TCa 62.5 21.58 91.86

relative Inform. Technology (IT)
olvi3* 0.75 0.566 1.0 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
LAB*LAB 61.0 -6.68 91.86
LAB*Lab 61.0 -6.16 87.69
LAB*TCa 62.5 21.58 91.86

relative Inform. Technology (IT)
olvi3* 0.75 0.546 1.0 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
LAB*LAB 59.32 -7.36 91.86
LAB*Lab 59.32 -6.84 87.69
LAB*TCa 62.5 21.58 91.86

relative Inform. Technology (IT)
olvi3* 0.75 0.526 1.0 (1.0)
cmyn3* 0.25 0.25 0.25 (0.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
LAB*LAB 57.64 -8.04 91.86
LAB*Lab 57.64 -7.52 87.69
LAB*TCa 62.5 21.58 91.86

relative Inform. Technology (IT)
olvi3* 0.5 0.5 0.5 (1.0)
cmyn3* 0.5 0.5 0.5 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
LAB*LAB 56.71 -0.23 2.14
LAB*Lab 56.71 0.0 0.0
LAB*TCa 50.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.5 0.488 0.25 (1.0)
cmyn3* 0.5 0.512 0.75 (0.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
LAB*LAB 55.03 -0.89 31.58
LAB*Lab 55.03 -0.68 21.57
LAB*TCa 37.5 21.58 91.84

relative Inform. Technology (IT)
olvi3* 0.5 0.468 0.5 (1.0)
cmyn3* 0.5 0.532 0.5 (0.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
LAB*LAB 53.35 -1.57 45.05
LAB*Lab 53.35 -1.38 43.13
LAB*TCa 37.5 21.58 91.84

relative Inform. Technology (IT)
olvi3* 0.5 0.448 0.75 (1.0)
cmyn3* 0.5 0.552 0.25 (0.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
LAB*LAB 51.67 -2.25 69.13
LAB*Lab 51.67 -2.07 64.71
LAB*TCa 37.5 21.58 91.84

relative Inform. Technology (IT)
olvi3* 0.5 0.428 1.0 (1.0)
cmyn3* 0.5 0.572 0.0 (0.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
LAB*LAB 50.0 -2.93 91.86
LAB*Lab 50.0 -2.74 87.69
LAB*TCa 37.5 21.58 91.84

relative Inform. Technology (IT)
olvi3* 0.5 0.408 1.0 (1.0)
cmyn3* 0.5 0.592 0.0 (0.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
LAB*LAB 48.32 -3.61 91.86
LAB*Lab 48.32 -3.44 87.69
LAB*TCa 37.5 21.58 91.84

relative Inform. Technology (IT)
olvi3* 0.5 0.388 1.0 (1.0)
cmyn3* 0.5 0.612 0.0 (0.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
LAB*LAB 46.64 -4.29 91.86
LAB*Lab 46.64 -4.12 87.69
LAB*TCa 37.5 21.58 91.84

relative Inform. Technology (IT)
olvi3* 0.5 0.368 1.0 (1.0)
cmyn3* 0.5 0.632 0.0 (0.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
LAB*LAB 44.96 -4.97 91.86
LAB*Lab 44.96 -4.80 87.69
LAB*TCa 37.5 21.58 91.84

relative Inform. Technology (IT)
olvi3* 0.5 0.348 1.0 (1.0)
cmyn3* 0.5 0.652 0.0 (0.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
LAB*LAB 43.28 -5.65 91.86
LAB*Lab 43.28 -5.48 87.69
LAB*TCa 37.5 21.58 91.84

relative Inform. Technology (IT)
olvi3* 0.5 0.328 1.0 (1.0)
cmyn3* 0.5 0.672 0.0 (0.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
LAB*LAB 41.60 -6.33 91.86
LAB*Lab 41.60 -6.16 87.69
LAB*TCa 37.5 21.58 91.84

relative Inform. Technology (IT)
olvi3* 0.5 0.308 1.0 (1.0)
cmyn3* 0.5 0.692 0.0 (0.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
LAB*LAB 39.92 -7.01 91.86
LAB*Lab 39.92 -6.84 87.69
LAB*TCa 37.5 21.58 91.84

relative Inform. Technology (IT)
olvi3* 0.5 0.288 1.0 (1.0)
cmyn3* 0.5 0.712 0.0 (0.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
LAB*LAB 38.24 -7.69 91.86
LAB*Lab 38.24 -7.52 87.69
LAB*TCa 37.5 21.58 91.84

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)
LAB*LAB 56.71 -0.23 2.14
LAB*Lab 56.71 0.0 0.0
LAB*TCa 50.0 0.01 -

relative Inform. Technology (IT)
olvi3* 0.25 0.226 0.25 (1.0)
cmyn3* 0.75 0.774 0.75 (0.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
LAB*LAB 55.03 -0.89 31.58
LAB*Lab 55.03 -0.68 21.57
LAB*TCa 37.5 21.58 91.84

relative Inform. Technology (IT)
olvi3* 0.25 0.206 0.5 (1.0)
cmyn3* 0.75 0.794 0.5 (0.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
LAB*LAB 53.35 -1.57 45.05
LAB*Lab 53.35 -1.38 43.13
LAB*TCa 37.5 21.58 91.84

relative Inform. Technology (IT)
olvi3* 0.25 0.186 0.75 (1.0)
cmyn3* 0.75 0.814 0.25 (0.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
LAB*LAB 51.67 -2.25 69.13
LAB*Lab 51.67 -2.07 64.71
LAB*TCa 37.5 21.58 91.84

relative Inform. Technology (IT)
olvi3* 0.25 0.166 1.0 (1.0)
cmyn3* 0.75 0.834 0.0 (0.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
LAB*LAB 50.0 -2.93 91.86
LAB*Lab 50.0 -2.74 87.69
LAB*TCa 37.5 21.58 91.84

relative Inform. Technology (IT)
olvi3* 0.25 0.146 1.0 (1.0)
cmyn3* 0.75 0.854 0.0 (0.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
LAB*LAB 48.32 -3.61 91.86
LAB*Lab 48.32 -3.44 87.69
LAB*TCa 37.5 21.58 91.84

relative Inform. Technology (IT)
olvi3* 0.25 0.126 1.0 (1.0)
cmyn3* 0.75 0.874 0.0 (0.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
LAB*LAB 46.64 -4.29 91.86
LAB*Lab 46.64 -4.12 87.69
LAB*TCa 37.5 21.58 91.84

relative Inform. Technology (IT)
olvi3* 0.25 0.106 1.0 (1.0)
cmyn3* 0.75 0.894 0.0 (0.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
LAB*LAB 44.96 -4.97 91.86
LAB*Lab 44.96 -4.80 87.69
LAB*TCa 37.5 21.58 91.84

relative Inform. Technology (IT)
olvi3* 0.25 0.086 1.0 (1.0)
cmyn3* 0.75 0.914 0.0 (0.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
LAB*LAB 43.28 -5.65 91.86
LAB*Lab 43.28 -5.48 87.69
LAB*TCa 37.5 21.58 91.84

relative Inform. Technology (IT)
olvi3* 0.25 0.066 1.0 (1.0)
cmyn3* 0.75 0.934 0.0 (0.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
LAB*LAB 41.60 -6.33 91.86
LAB*Lab 41.60 -6.16 87.69
LAB*TCa 37.5 21.58 91.84

relative Inform. Technology (IT)
olvi3* 0.25 0.046 1.0 (1.0)
cmyn3* 0.75 0.954 0.0 (0.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
LAB*LAB 39.92 -7.01 91.86
LAB*Lab 39.92 -6.84 87.69
LAB*TCa 37.5 21.58 91.84

relative Inform. Technology (IT)
olvi3* 0.25 0.026 1.0 (1.0)
cmyn3* 0.75 0.974 0.0 (0.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
LAB*LAB 38.24 -7.69 91.86
LAB*Lab 38.24 -7.52 87.69
LAB*TCa 37.5 21.58 91.84

relative Inform. Technology (IT)
olvi3* 0.0 0.0 0.0 (1.0)
cmyn3* 1.0 1.0 1.0 (0.0)
olvi4* 1.0 1.0 1.0 (1.0)
cmyn4* 0.0 0.0 0.0 (0.0)
LAB*LAB 18.02 0.0 0.46
LAB*Lab 18.02 0.0 0.0
LAB*TCa 0.01 0.01 -

relative Inform. Technology (IT)
olvi3* 0.228 -0.007 0.25 (1.0)
cmyn3* 0.774 0.25 0.25 (0.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
LAB*LAB 35.68 -0.52 22.29
LAB*Lab 35.68 -0.68 21.56
LAB*TCa 12.5 21.57 91.84

relative Inform. Technology (IT)
olvi3* 0.228 -0.007 0.25 (1.0)
cmyn3* 0.774 0.25 0.25 (0.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
LAB*LAB 35.68 -0.52 22.29
LAB*Lab 35.68 -0.68 21.56
LAB*TCa 12.5 21.57 91.84

relative Inform. Technology (IT)
olvi3* 0.228 -0.007 0.25 (1.0)
cmyn3* 0.774 0.25 0.25 (0.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
LAB*LAB 35.68 -0.52 22.29
LAB*Lab 35.68 -0.68 21.56
LAB*TCa 12.5 21.57 91.84

relative Inform. Technology (IT)
olvi3* 0.228 -0.007 0.25 (1.0)
cmyn3* 0.774 0.25 0.25 (0.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
LAB*LAB 35.68 -0.52 22.29
LAB*Lab 35.68 -0.68 21.56
LAB*TCa 12.5 21.57 91.84

relative Inform. Technology (IT)
olvi3* 0.228 -0.007 0.25 (1.0)
cmyn3* 0.774 0.25 0.25 (0.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
LAB*LAB 35.68 -0.52 22.29
LAB*Lab 35.68 -0.68 21.56
LAB*TCa 12.5 21.57 91.84

relative Inform. Technology (IT)
olvi3* 0.228 -0.007 0.25 (1.0)
cmyn3* 0.774 0.25 0.25 (0.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
LAB*LAB 35.68 -0.52 22.29
LAB*Lab 35.68 -0.68 21.56
LAB*TCa 12.5 21.57 91.84

relative Inform. Technology (IT)
olvi3* 0.228 -0.007 0.25 (1.0)
cmyn3* 0.774 0.25 0.25 (0.0)
olvi4* 1.0 0.988 0.75 (1.0)
cmyn4* 0.0 0.012 0.25 (0.0)
LAB*LAB 35.68 -0.52 22.29
LAB*Lab 35.68 -0.68 21.56
LAB*TCa 12.5 21.57 91.84

relative Inform. Technology (IT)
olvi3* 0.228 -0.

