

(olv3* = 0.0, l3*, v3*)

a01	relative Inform. Technology (IT)					relative Inform. Technology (IT)					relative Inform. Technology (IT)					relative Inform. Technology (IT)					relative Inform. Technology (IT)				
	olvi3*	0.0	0.0	0.0	(1.0)	olvi3*	0.0	0.0	0.25	(1.0)	olvi3*	0.0	0.0	0.5	(1.0)	olvi3*	0.0	0.5	0.75	(1.0)	olvi3*	0.0	0.0	1.0	(1.0)
	cmyn3*	1.0	1.0	1.0	(0.0)	cmyn3*	1.0	1.0	0.75	(0.0)	cmyn3*	1.0	1.0	0.5	(0.0)	cmyn3*	1.0	1.0	0.25	(0.0)	cmyn3*	1.0	1.0	0.0	(0.0)
	olvi4*	1.0	1.0	1.0	1.0	olvi4*	0.75	0.75	1.0	0.25	olvi4*	0.5	0.5	1.0	0.5	olvi4*	0.75	0.75	1.0	0.25	olvi4*	1.0	1.0	0.0	1.0
	cmyn4*	0.0	0.0	0.0	1.0	cmyn4*	0.25	0.25	0.0	0.75	cmyn4*	0.0	0.0	0.0	0.5	cmyn4*	0.75	0.75	0.0	0.25	cmyn4*	1.0	1.0	0.0	0.0
	standard and adapted CIELAB					standard and adapted CIELAB					standard and adapted CIELAB					standard and adapted CIELAB					standard and adapted CIELAB				
	LAB*LAB	18.02	0.5	-0.47		LAB*LAB	19.94	8.23	-11.43		LAB*LAB	21.87	15.97	-22.4		LAB*LAB	23.8	23.71	-33.37		LAB*LAB	25.73	31.44	-44.34	
	LAB*ABa	18.02	0.0	0.0		LAB*ABa	19.94	7.77	-11.09		LAB*ABa	21.87	15.55	-22.19		LAB*ABa	23.8	23.32	-33.29		LAB*ABa	25.73	31.09	-44.39	
	LAB*TCRa	0.01	0.01	-		LAB*TCRa	12.5	13.55	305.0		LAB*TCRa	25.01	27.1	305.0		LAB*TCRa	37.51	40.66	305.0		LAB*TCRa	50.0	54.21	305.0	
	relative CIELAB lab*					relative CIELAB lab*					relative CIELAB lab*					relative CIELAB lab*					relative CIELAB lab*				
lab*lab	0.0	0.0	0.0	-	lab*lab	0.025	0.143	-0.204		lab*lab	0.05	0.287	-0.408		lab*lab	0.075	0.43	-0.613		lab*lab	0.1	0.573	-0.818		
lab*tch	0.0	0.0	0.0	-	lab*tch	0.125	0.25	0.847		lab*tch	0.25	0.5	0.847		lab*tch	0.375	0.75	0.847		lab*tch	0.5	1.0	0.847		
lab*nch	1.0	0.0	-	-	lab*nch	0.75	0.25	0.847		lab*nch	0.5	0.5	0.847		lab*nch	0.25	0.75	0.847		lab*nch	0.0	1.0	0.847		
relative Natural Colour (NC)					relative Natural Colour (NC)					relative Natural Colour (NC)					relative Natural Colour (NC)					relative Natural Colour (NC)					
lab*lrj	0.0	0.0	0.0	-	lab*lrj	0.025	0.059	-0.242		lab*lrj	0.05	0.117	-0.485		lab*lrj	0.075	0.176	-0.728		lab*lrj	0.1	0.234	-0.971		
lab*tce	0.0	0.0	-	-	lab*tce	0.125	0.25	0.788		lab*tce	0.25	0.5	0.788		lab*tce	0.375	0.75	0.788		lab*tce	0.5	1.0	0.788		
lab*nce	1.0	0.0	-	-	lab*nce	0.75	0.25	b15r		lab*nce	0.5	0.5	b15r		lab*nce	0.25	0.75	b15r		lab*nce	0.0	1.0	b15r		
a02	relative Inform. Technology (IT)					relative Inform. Technology (IT)					relative Inform. Technology (IT)					relative Inform. Technology (IT)					relative Inform. Technology (IT)				
	olvi3*	0.0	0.25	0.0	(1.0)	olvi3*	0.0	0.25	0.25	(1.0)	olvi3*	0.0	0.25	0.5	(1.0)	olvi3*	0.0	0.25	0.75	(1.0)	olvi3*	0.0	0.25	1.0	(1.0)
	cmyn3*	1.0	0.75	1.0	(0.0)	cmyn3*	1.0	0.75	0.75	(0.0)	cmyn3*	1.0	0.75	0.5	(0.0)	cmyn3*	1.0	0.75	0.25	(0.0)	cmyn3*	1.0	0.75	0.0	(0.0)
	olvi4*	0.75	1.0	0.75	0.25	olvi4*	0.75	1.0	0.75	1.0	olvi4*	0.75	1.0	0.5	0.25	olvi4*	0.75	1.0	0.25	0.25	olvi4*	0.75	1.0	0.0	0.25
	cmyn4*	0.25	0.0	0.25	0.75	cmyn4*	0.25	0.0	0.0	0.75	cmyn4*	0.25	0.0	0.0	0.5	cmyn4*	0.75	0.25	0.0	0.25	cmyn4*	1.0	0.75	0.0	0.0
	standard and adapted CIELAB					standard and adapted CIELAB					standard and adapted CIELAB					standard and adapted CIELAB					standard and adapted CIELAB				
	LAB*LAB	26.24	-15.35	8.82		LAB*LAB	28.17	-7.27	-11.03		LAB*LAB	30.09	0.46	-22.0		LAB*LAB	32.02	8.2	-32.97		LAB*LAB	33.95	15.93	-43.94	
	LAB*ABa	26.24	-15.69	8.74		LAB*ABa	28.17	-7.57	-11.24		LAB*ABa	30.09	0.19	-22.34		LAB*ABa	32.02	7.97	-33.45		LAB*ABa	33.95	15.74	-44.55	
	LAB*TCRa	12.5	17.97	150.91		LAB*TCRa	12.5	13.57	236.02		LAB*TCRa	25.01	22.36	270.49		LAB*TCRa	37.51	34.39	283.39		LAB*TCRa	50.0	47.25	289.45	
	relative CIELAB lab*					relative CIELAB lab*					relative CIELAB lab*					relative CIELAB lab*					relative CIELAB lab*				
lab*lab	0.106	-0.217	0.121		lab*lab	0.131	-0.139	-0.206		lab*lab	0.156	0.004	-0.499		lab*lab	0.181	0.174	-0.729		lab*lab	0.206	0.333	-0.942		
lab*tch	0.125	0.25	0.419		lab*tch	0.125	0.25	0.656		lab*tch	0.25	0.5	0.751		lab*tch	0.375	0.75	0.787		lab*tch	0.5	1.0	0.804		
lab*nch	0.75	0.25	0.419		lab*nch	0.75	0.25	0.656		lab*nch	0.5	0.5	0.751		lab*nch	0.25	0.75	0.787		lab*nch	0.0	1.0	0.804		
relative Natural Colour (NC)					relative Natural Colour (NC)					relative Natural Colour (NC)					relative Natural Colour (NC)					relative Natural Colour (NC)					
lab*lrj	0.106	-0.228	0.099		lab*lrj	0.131	-0.162	-0.189		lab*lrj	0.156	-0.125	-0.483		lab*lrj	0.181	-0.062	-0.746		lab*lrj	0.206	-0.003	-0.999		
lab*tce	0.125	0.25	0.435		lab*tce	0.125	0.25	0.637		lab*tce	0.25	0.5	0.709		lab*tce	0.375	0.75	0.737		lab*tce	0.5	1.0	0.749		
lab*nce	0.75	0.25	j73b		lab*nce	0.75	0.25	g54b		lab*nce	0.5	0.5	g83b		lab*nce	0.25	0.75	g54b		lab*nce	0.0	1.0	g99b		
a03	relative Inform. Technology (IT)					relative Inform. Technology (IT)					relative Inform. Technology (IT)					relative Inform. Technology (IT)					relative Inform. Technology (IT)				
	olvi3*	0.0	0.5	0.0	(1.0)	olvi3*	0.0	0.5	0.25	(1.0)	olvi3*	0.0	0.5	0.5	(1.0)	olvi3*	0.0	0.5	0.75	(1.0)	olvi3*	0.0	0.5	1.0	(1.0)
	cmyn3*	1.0	0.5	1.0	(0.0)	cmyn3*	1.0	0.5	0.75	(0.0)	cmyn3*	1.0	0.5	0.5	(0.0)	cmyn3*	1.0	0.5	0.25	(0.0)	cmyn3*	1.0	0.5	0.0	(0.0)
	olvi4*	0.5	1.0	0.5	0.5	olvi4*	0.5	1.0	0.5	0.5	olvi4*	0.5	1.0	0.5	0.5	olvi4*	0.5	1.0	0.25	0.25	olvi4*	0.5	1.0	0.0	0.25
	cmyn4*	0.0	0.5	0.0	0.5	cmyn4*	0.0	0.0	0.25	0.5	cmyn4*	0.0	0.0	0.0	0.5	cmyn4*	0.75	0.25	0.0	0.25	cmyn4*	1.0	0.5	0.0	0.0
	standard and adapted CIELAB					standard and adapted CIELAB					standard and adapted CIELAB					standard and adapted CIELAB					standard and adapted CIELAB				
	LAB*LAB	34.46	-31.22	18.12		LAB*LAB	36.39	-23.14	-1.73		LAB*LAB	38.32	-15.05	-21.6		LAB*LAB	40.25	-7.31	-32.57		LAB*LAB	42.17	0.41	-43.54	
	LAB*ABa	34.46	-31.4	17.48		LAB*ABa	36.39	-23.28	-2.5		LAB*ABa	38.32	-15.16	-22.5		LAB*ABa	40.25	-7.39	-33.75		LAB*ABa	42.17	0.38	-44.7	
	LAB*TCRa	25.01	35.95	150.91		LAB*TCRa	25.01	23.43	186.16		LAB*TCRa	25.01	27.14	236.02		LAB*TCRa	37.51	34.41	257.59		LAB*TCRa	50.0	44.71	270.48	
	relative CIELAB lab*					relative CIELAB lab*					relative CIELAB lab*					relative CIELAB lab*					relative CIELAB lab*				
lab*lab	0.213	-0.436	0.243		lab*lab	0.237	-0.496	-0.053		lab*lab	0.262	-0.278	-0.414		lab*lab	0.287	-0.16	-0.731		lab*lab	0.312	0.008	-0.999		
lab*tch	0.25	0.5	0.419		lab*tch	0.25	0.5	0.517		lab*tch	0.25	0.5	0.656		lab*tch	0.375	0.75	0.716		lab*tch	0.5	1.0	0.751		
lab*nch	0.5	0.5	0.419		lab*nch	0.5	0.5	0.517		lab*nch	0.5	0.5	0.656		lab*nch	0.25	0.75	0.716		lab*nch	0.0	1.0	0.751		
relative Natural Colour (NC)					relative Natural Colour (NC)					relative Natural Colour (NC)					relative Natural Colour (NC)					relative Natural Colour (NC)					
lab*lrj	0.213	-0.458	0.199		lab*lrj	0.237	-0.489	-0.099		lab*lrj	0.262	-0.325	-0.378		lab*lrj	0.287	-0.308	-0.682		lab*lrj	0.312	-0.251	-0.966		
lab*tce	0.25	0.5	0.435		lab*tce	0.25	0.5	0.532		lab*tce	0.25	0.5	0.637		lab*tce	0.375	0.75	0.682		lab*tce	0.5	1.0	0.709		
lab*nce	0.5	0.5	j73b		lab*nce	0.5	0.5	g12b		lab*nce	0.5	0.5	g54b		lab*nce	0.25	0.75	g72b		lab*nce	0.0	1.0	g83b		
a04	relative Inform. Technology (IT)					relative Inform. Technology (IT)					relative Inform. Technology (IT)					relative Inform. Technology (IT)					relative Inform. Technology (IT)				
	olvi3*	0.0	0.75	0.0	(1.0)	olvi3*	0.0	0.75	0.25	(1.0)	olvi3*	0.0	0.75	0.5	(1.0)	olvi3*	0.0	0.75	0.75	(1.0)	olvi3*	0.0	0.75	1.0	(1.0)
	cmyn3*	1.0	0.25	1.0	(0.0)	cmyn3*	1.0	0.25	0.75	(0.0)	cmyn3*	1.0	0.25	0.5	(0.0)	cmyn3*	1.0	0.25	0.25	(0.0)	cmyn3*	1.0	0.25	0.0	(0.0)
	olvi4*	0.25	1.0	0.25	0.75	olvi4*	0.25	1.0	0.25	0.75	olvi4*	0.25	1.0	0.25	0.5	olvi4*	0.75	1.0	0.25	0.25	olvi4*	1.0	1.0	0.0	0.25
	cmyn4*	0.75	0.0	0.75	0.25	cmyn4*	0.75	0.0	0.25	0.25	cmyn4*	0.75	0.0	0.25	0.25	cmyn4*	1.0	0.0	0.0	0.25	cmyn4*	1.0	0.25	0.0	0.0
	standard and adapted CIELAB					standard and adapted CIELAB					standard and adapted CIELAB					standard and adapted CIELAB					standard and adapted CIELAB				
	LAB*LAB	42.68	-47.09	27.41		LAB*LAB	44.61	-39.0	7.55		LAB*LAB	46.54	-30.92	-12.3		LAB*LAB	48.47	-22.83	-32.17		LAB*LAB	50.4	-15.1	-43.13	
	LAB*ABa	42.68	-47.11	26.21		LAB*ABa	44.61	-38.99	6.23		LAB*ABa	46.54	-30.87	-13.76		LAB*ABa	48.47	-22.75	-33.75		LAB*ABa	50.4	-14.88	-44.85	
	LAB*TCRa	37.51	53.92	150.91		LAB*TCRa	37.51	39.5	170.93		LAB*TCRa	37.51	38.81	204.03		LAB*TCRa	37.51	40.72	236.02		LAB*TCRa	50.0	47.3	251.53	
	relative CIELAB lab*					relative CIELAB lab*					relative CIELAB lab*					relative CIELAB lab*					relative CIELAB lab*				
lab*lab	0.319	-0.654	0.365		lab*lab	0.344	-0.74	0.118		lab*lab	0.369	-0.684	-0.304		lab*lab	0.394	-0.418	-0.621		lab*lab	0.418	-0.316	-0.947		
lab*tch	0.375	0.75	0.419		lab*tch	0.375	0.75	0.475		lab*tch	0.375	0.75	0.567		lab*tch	0.375	0.75	0.656		lab*tch	0.5	1.0	0.699		
lab*nch	0.25	0.75	0.419		lab*nch	0.25	0.75	0.475		lab*nch	0.25	0.75	0.567		lab*nch	0.25	0.75	0.656		lab*nch	0.0	1.0	0.699		
relative Natural Colour (NC)					relative Natural Colour (NC)					relative Natural Colour (NC)					relative Natural Colour (NC)					relative Natural Colour (NC)					
lab*lrj	0.319	-0.687	0.298		lab*lrj	0.344	-0.749	0.0		lab*lrj	0.369	-0.679	-0.317		lab*lrj	0.394	-0.457	-0.568		lab*lrj	0.418	-0.318	-0.874		
lab*tce	0.375	0.75	0.435		lab*tce	0.375	0.75	0.5		lab*tce	0.375	0.75	0.57		lab*tce	0.375	0.75	0.637		lab*tce	0.5	1.0	0.657		
lab*nce	0.25	0.75	j73b		lab*nce	0.25	0.75	g00b		lab*nce	0.25	0.75	g27b		lab*nce	0.25	0.75	g54b		lab*nce	0.0	1.0	g67b		
a05	relative Inform. Technology (IT)					relative Inform. Technology (IT)					relative Inform. Technology (IT)					relative Inform. Technology (IT)					relative Inform. Technology (IT)				
	olvi3*	0.0	1.0	0.0	(1.0)	olvi3*	0.0	1.0	0.25	(1.0)	olvi3*	0.0	1.0	0.5	(1.0)	olvi3*	0.0	1.0	0.75	(1.0)	olvi3*	0.0	1.0	1.0	(1.0)
	cmyn3*	1.0	0.0	1.0	(0.0)	cmyn3*	1.0	0.0	0.75	(0.0)															

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 $(\text{olv3}^* = 0.25, 0, 1)$
$$(\text{olv}3^* = 0.25, \text{l}3^*, \text{v}3^*)$$

System: ORS18

relative Inform. Technology (IT)

olvi3*	0.25	0.0	0.0	(1.0)
cmyi3*	0.75	1.0	1.0	(0.0)
olvi4*	1.0	0.75	0.75	0.25
cmyi4*	0.0	0.25	0.25	0.75

standard and adapted CIELAB

LAB*LAB	25.5	16.7	12.66
LAB*LAB*	25.5	16.34	12.62
LAB*TChe	12.5	20.65	37.69

relative CIELAB lab*

lab*lab	0.097	0.198	0.153
lab*rch	0.125	0.25	0.105
lab*rch	0.75	0.25	0.105

relative Natural Colour (NC)

lab*lrj	0.097	0.246	0.042
lab*ccc	0.125	0.25	0.027
lab*ccc	0.75	0.25	0.027

relative Inform. Technology (IT)

<i>olvi3*</i>	0.25	0.0	0.75	(1.0)
<i>cmyn3*</i>	0.75	1.0	0.25	(0.0)
<i>olvi4*</i>	0.75	1.0	0.25	(0.0)
<i>cmyn4*</i>	0.0	0.25	0.75	(1.0)

standard and adapted CIELAB

LAB*LAB	25.54	19.17	-2.04
LAB*Lab _a	25.54	18.81	-2.08
LAB*TCh _a	12.5	18.93	353.66

relative CIELAB lab*

lab*lab	0.097	0.248	-0.027
lab* <i>nch</i>	0.125	0.25	0.982
lab* <i>nch</i>	0.75	0.25	0.982

relative Natural Colour (NC)

lab* <i>trj</i>	0.097	0.209	-0.136
lab* <i>tce</i>	0.125	0.25	0.908
lab* <i>tce</i>	0.75	0.25	0.908

relative Inform. Technology (IT)			
olvi3*	0.25	0.0	1.0
cmy3*	0.75	1.0	0.0
olvi4*	0.75	0.5	0.5
cmy4*	0.25	0.5	0.0
standard and adapted CIELAB			
LAB*LABa	27.47	26.9	-13.01
LAB*LABb	27.47	26.59	-13.18
LAB*TCb	25.01	29.68	333.61
relative CIELAB lab*			
lab*lab	0.122	0.448	-0.221
lab*lch	0.25	0.5	0.927
lab*nch	0.5	0.5	0.927
relative Natural Colour (NC)			
lab*lrc	0.122	0.315	-0.387
lab*trc	0.25	0.5	0.858

relative Inform. Technology (IT)			
<i>dlv13*</i>	0.25	0.0	0.75 (1.0)
<i>cmyb3*</i>	0.75	0.25	0.0 (0.0)
<i>dlv13</i>	0.5	0.25	1.0 (0.75)
<i>cmyb3*</i>	0.5	0.75	0.0 (0.25)
standard and adapted CIELAB			
LAB*LAB	29.4	34.64	-23.99
LAB*LAB	29.4	34.36	-24.29
LAB*TCiHA	37.51	42.08	324.74
relative CIELAB lab*			
lab*lab	0.147	0.612	-0.432
lab*tcch	0.375	0.75	0.902
lab*nch	0.25	0.75	0.902
relative Natural Colour (NC)			
lab*trj	0.147	0.387	-0.641
lab*trc	0.375	0.75	0.836

relative Inform. Technology (IT)			
<i>olm3*</i>	0.25	0.0	1.0 (1.0)
<i>cmv3*</i>	0.75	1.0	0.0 (0.0)
<i>olm4*</i>	0.25	0.0	1.0 (1.0)
<i>cmv4*</i>	0.75	1.0	0.0 (0.0)
standard and adapted CIELAB			
LAB*LAB	31.33	42.38	-34.95
LAB*LAB	31.33	42.38	-35.38
LAB*TCiHA	50.0	55.03	319.97
relative CIELAB lab*			
lab*lab	0.172	0.766	-0.642
lab*tcH	0.5	1.0	0.889
lab*nch	0.0	1.0	0.889
relative Natural Colour (NC)			
lab*lrj	0.172	0.452	-0.891
lab*acc	0.5	1.0	0.825

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	36.1	25.0	23.68	
LAB*LABa	16.1	-2.56	22.93	
LAB*TCba	12.5	23.07	96.38	

relative CIELAB lab*

lab*lab	0.234	-0.027	0.248	
lab*rch	0.125	0.25	0.268	
lab*rch	0.75	0.25	0.268	

relative Natural Colour (NC)

lab*lrj	0.234	-0.009	0.25	
lab*nce	0.125	0.25	0.256	
lab*nce	0.75	0.25	0.256	

relative Inform. Technology (IT)				
<i>olvi3*</i>	0.25	0.25	0.25	(1.0)
<i>cmy3*</i>	0.75	0.75	0.75	(0.0)
<i>olvi4*</i>	1.0	1.0	1.0	0.25
<i>cmy4*</i>	0.0	0.0	0.0	0.75
standard and adapted CIE L*a*b*				
LAB*LAB	37.36	0.13	0.83	
LAB*LABa	37.36	0.0	0.0	
LAB*TCa	25.0	0.01	-	
relative CIE L*a*b*				
lab*lab	0.25	0.0	0.0	
lab*tc	0.25	0.0	-	
lab*mc	0.75	0.0	-	
relative Natural Colour (NC)				
lab*lrj	0.25	0.0	0.0	
lab*tc	0.25	0.0	-	
lab*mc	0.75	0.0	-	

relative Inform. Technology (IT)				
<i>olvi3*</i>	0.25	0.25	0.5	(1.0)
<i>cmyrn3*</i>	0.75	0.75	0.5	(0.0)
<i>olvi4*</i>	0.75	0.75	1.0	0.5
<i>standard</i>	0.25	0.25	0.0	0.5
old and adapted CIELAB				
<i>LAB*LaB*</i>	39.29	7.87	-10.13	
<i>LAB*LaB*</i>	39.29	7.77	-11.09	
<i>LAB*TCb*</i>	37.5	13.55	305.0	
relative CIELAB lab*				
<i>lab*lab</i>	0.275	0.143	-0.204	
<i>lab*tcch</i>	0.375	0.25	0.847	
<i>lab*ncch</i>	0.5	0.25	0.847	
relative Natural Colour (NC)				
<i>lab*lrj*</i>	0.275	0.059	-0.242	
<i>lab*tcce</i>	0.375	0.25	0.788	

relative Inform. Technology (IT)			
<i>olvi3*</i>	0.25	0.25	0.75 (1.0)
<i>olvi3*</i>	0.75	0.75	0.25 (0.0)
<i>olvi3*</i>	0.5	0.5	1.0 (0.75)
<i>olvi3*</i>	0.5	0.0	0.75 (0.0)
standard and adapted CIELAB			
LAB*LAB	41.22	15.6	-21.1
LAB*LAB	41.22	15.55	-22.2
LAB*TChe	50.0	27.11	305.0
relative CIELAB lab*			
lab*lab	0.3	0.287	-0.409
lab*tcch	0.5	0.5	0.847
lab*nch	0.25	0.5	0.847
relative Natural Colour (NC)			
lab*lrj	0.3	0.117	-0.485
lab*tcce	0.5	0.5	0.788
lab*tcce	0.5	0.5	0.788

relative Inform. Technology (IT)				
<i>omv3*</i>	0.25	0.25	1.0	(1.0)
<i>chly3*</i>	0.25	0.25	0.0	(0.0)
<i>olvi4*</i>	0.25	0.25	1.0	1.0
<i>cm4*</i>	0.75	0.75	0.0	0.0
standard and adapted CIELAB				
LAB*LAB	43.14	23.34	-32.07	
LAB*LAB	43.14	23.32	-33.29	
LAB*TCuA	62.5	40.66	305.0	
relative CIELAB lab*				
lab*lab	0.325	0.43	-0.613	
lab*tcu	0.625	0.75	0.847	
lab*nch	0.0	0.75	0.847	
relative Natural Colour (NC)				
lab*lrj	0.325	0.176	-0.728	
lab*acc	0.625	0.75	0.788	

	relative Inform. Technology (IT)
olvi3*	0.25 0.0 0.0 (1.0)
cmy3*	0.75 0.5 0.0 (0.0)
olvi4*	0.75 1.0 0.5 0.5
cmy4*	0.25 0.0 0.5 0.5
	standard and adapted CIELAB
LAB*LAB	44.32 32.01 19.98
LAB*LABa	44.32 -18.26 31.67
LAB*TChe	25.01 36.56 119.99
	relative CIELAB lab*
lab*lab	0.34 -0.249 0.433
lab*rch	0.25 0.5 0.333
lab*rch	0.5 0.5 0.333
	relative Natural Colour (NC)
lab*lrj	0.34 -0.25 0.432
lab*nce	0.25 0.5 0.334
lab*nce	0.5 0.5 0.334

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	45.58	-15.73	10.13
LAB*LABa	45.58	-15.7	8.74
LAB*TChA	37.5	17.98	150.91

relative CIELAB lab*

lab*lab	0.356	-0.217	0.122
lab*tch	0.375	0.25	0.419
lab*nmch	0.5	0.25	0.419

relative Natural Colour (NC)

lab*lrj	0.356	-0.228	0.1
lab*tce	0.375	0.25	0.435

relative Inform. Technology (IT)				
olvi3*	0.25	0.5	0.5	(1.0)
cmycn3*	0.75	0.5	0.5	(0.0)
olvi4*	0.75	1.0	1.0	0.5
cmycn4*	0.25	0.0	0.0	0.5
standard and adapted CIELAB				
LAB*LAB	47.51	-7.64	-9.72	
LAB*LAB ₉₀	47.51	-7.58	-11.25	
LAB*TCF ₉₀	37.5	13.57	236.02	
relative LAB ₉₀ lab*				
lab*lab	0.381	-0.139	-0.206	
lab*tcch	0.375	0.25	0.656	
lab*nch	0.5	0.25	0.656	
relative Natural Colour (NC)				
lab*lrj	0.381	-0.162	-0.189	
lab*tce	0.375	0.25	0.637	

relative Inform. Technology (IT)			
<i>olvi3*</i>	0.25	0.5	0.75 (1.0)
<i>cmyn3*</i>	0.75	0.5	0.25 (0.0)
<i>olvi4*</i>	0.5	0.75	0.0 (0.25)
<i>cmyn4*</i>	0.5	0.25	0.0 (0.25)
standard and adapted CIELAB			
LAB*LAB	49.44	0.08	-20.7
LAB*LAB	49.44	0.19	-22.35
LAB*TC _{hA}	50.0	22.36	270.48
relative CIELAB lab*			
lab*lab	0.406	0.004	-0.499
lab*tc _h	0.5	0.5	0.751
lab*nc _h	0.25	0.5	0.751
relative Natural Colour (NC)			
lab*lrj	0.406	-0.125	-0.483
lab*tc _e	0.5	0.5	0.709

relative Inform. Technology (IT)				
<i>olv3*</i>	0.25	0.5	1.0	(1.0)
<i>cmyn3*</i>	0.75	0.5	1.0	(0.0)
<i>olv4*</i>	0.25	0.5	1.0	1.0
<i>olv5*</i>	0.75	0.5	1.0	1.0
standard and adapted CIELAB				
LAB*LAB	51.37	7.82	-31.66	
LAB*LAB	51.37	7.96	-33.45	
LAB*TCuA	62.5	34.39	28.33	
relative CIELAB lab*				
lab*lab	0.431	0.174	-0.728	
lab*tcu	0.625	0.75	0.787	
lab*nch	0.0	0.75	0.787	
relative Natural Colour (NC)				
lab*lrj	0.431	-0.062	-0.736	
lab*acc	0.625	0.75	0.787	

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	52.55	-34.14	42.27
LAB*Lab	52.55	-33.97	40.41
LAB*TCCh	37.51	52.8	130.07

relative CIELAB lab*

lab*lab	0.446	-0.482	0.574
lab*ch	0.375	0.75	0.361
lab*tc	0.25	0.75	0.361

relative Natural Colour (NC)

lab*lrj	0.446	-0.501	0.557
lab*tee	0.375	0.75	0.367
lab*tc	0.25	0.75	0.367

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	53.81	-31.6	19.43
LAB*LABa	53.81	-31.41	17.48
LAB*TCfHa	50.0	35.95	150.91

relative CIELAB lab*

lab*lab	0.462	-0.436	0.243
lab*tlab	0.5	0.5	0.419
lab*tnch	0.25	0.5	0.419

relative Natural Colour (NC)

lab*lrj	0.462	-0.458	0.199
lab*trce	0.5	0.5	0.435

relative Inform. Technology (IT)

olvi3*	0.25	0.75	0.5	(1.0)
cmy3n3*	0.75	0.25	0.5	(0.0)
olvi4*	0.5	1.0	0.75	0.75
cmy4*	0.5	0.0	0.25	0.25

standard and adapted LAB*

LAB*LAB	55.74	-23.51	-4.51
LAB*Lab	55.74	-23.29	-2.51
LAB*TCfHa	50.0	23.43	186.17

relative LAB*Lab*

lab*lab	0.487	-0.496	-0.053
lab*tcch	0.5	0.5	0.517
lab*ncch	0.25	0.5	0.517

relative Natural Colour (NC)

lab*lrj	0.487	-0.489	-0.1
lab*tce	0.5	0.5	0.532
lab*nc	0.25	0.5	0.532

relative Inform. Technology (IT)				
<i>olvi3*</i>	0.25	0.75	0.75	(1.0)
<i>cmyn3*</i>	0.75	0.25	0.25	(0.0)
<i>olvi4*</i>	0.5	1.0	0.0	0.25
<i>cmyn4*</i>	0.5	0.0	1.0	0.25
standard and adapted CIELAB				
LAB*LAB	57.67	-15.43	-20.29	
LAB*LAB	57.67	-16.16	-22.25	
LAB*ChCh	50.0	27.15	236.02	
relative CIELAB lab*				
lab*lab	0.512	-0.278	-0.414	
lab*tch	0.5	0.5	0.656	
lab*nch	0.25	0.5	0.656	
relative Natural Colour (NC)				
lab*lrj	0.512	-0.325	-0.378	
lab*tce	0.5	0.5	0.637	

relative Inform. Technology (IT)			
<i>olv3*</i>	0.25	0.75	1.0 (1.0)
<i>cmyn3*</i>	0.75	0.25	0.0 (0.0)
<i>olv4*</i>	0.25	0.75	1.0 (1.0)
<i>cmyn4*</i>	0.75	0.25	0.0 (0.0)
standard and adapted CIELAB			
LAB*Lab	59.59	-7.69	-31.26
LAB*LABa	59.59	-7.39	-33.36
LAB*TCHa	62.5	34.42	257.58
relative CIELAB lab*			
lab*lab	0.537	-0.16	-0.731
lab*tcH	0.625	0.75	0.715
lab*nch	0.0	0.75	0.715
relative Natural Colour (NC)			
lab*Jr	0.537	-0.308	-0.682
lab*trc	0.625	0.75	0.682

relative Inform. Technology (IT)

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

standard and adapted CIELAB

LAB*LAB	60.76	-50.0	51.56
LAB*ABR	60.76	-49.68	49.14
LAB*TCG	50.0	69.88	135.32

relative CIELAB lab*

lab*lab	0.552	-0.71	0.703
lab*rch	0.5	1.0	0.376
lab*rch	0.0	1.0	0.376

relative Natural Colour (NC)

lab*lrj	0.552	-0.744	0.667
lab*rce	0.5	1.0	0.384
lab*rch	0.0	1.0	0.376

relative Inform. Technology (IT)

olvi3*	0.25	1.0	0.25 (1.0)
cmyrn3*	0.75	0.1	0.75 (0.0)
olvi4*	0.25	1.0	0.25 1.0
cmyrn4*	0.75	0.1	0.75 0.0

standard and adapted CIELAB

LAB* <i>L</i>	62.02	-47.46	28.72
LAB* <i>a</i>	62.02	-47.11	26.21
LAB* <i>b</i>	62.5	53.92	150.91

relative CIELAB lab*

lab* <i>lab</i>	0.569	-0.654	0.365
lab* <i>lch</i>	0.625	0.75	0.419
lab* <i>mch</i>	0.0	0.75	0.419

relative Natural Colour (NC)

lab* <i>lrr</i>	0.569	-0.687	0.298
lab* <i>tce</i>	0.625	0.75	0.435

relative Inf. Technology (IT)			
olvi3*	0.25	1.0	0.5 (1.0)
cmya3*	0.75	0.0	0.5 (0.0)
olvi4*	0.25	1.0	0.5 (1.0)
cmya4*	0.75	0.0	0.5 (0.0)
standard and adapted CIELAB			
LAB*Lab	63.95	-39.37	8.85
LAB*LabB	63.95	-38.99	6.22
LAB*TCaB	62.5	39.49	170.94
relative CIELAB lab*			
lab*lab	0.594	-0.74	0.118
lab*tyc	0.625	0.75	0.475
lab*nch	0.0	0.75	0.475
relative Natural Colour (NC)			
lab*lrj	0.594	-0.749	0.0
lab*tce	0.625	0.75	0.5

relative Inform. Technology (IT)			
<i>olvi3*</i>	0.25	1.0	0.75 (1.0)
<i>cmyn3*</i>	0.75	0.0	0.25 (0.0)
<i>olvi4*</i>	0.25	1.0	0.75 (1.0)
<i>cmyn4*</i>	0.75	0.0	0.25 (0.0)
standard and adopted CIELAB			
<i>LAB*Lab</i>	65.88	-31.29	-11.0
<i>LAB*LabA</i>	65.88	-30.87	-13.77
<i>LAB*TChA</i>	62.5	33.81	204.04
relative CIELAB lab*			
<i>lab*lab</i>	0.619	-0.684	-0.305
<i>lab*tch</i>	0.625	0.75	0.567
<i>lab*nch</i>	0.0	0.75	0.567
relative Natural Colour (NC)			
<i>lab*lrj</i>	0.619	-0.678	-0.317
<i>lab*tce</i>	0.625	0.75	0.57

relative Inform. Technology (IT)			
olvi3*	0.25	1.0	1.0 (1.0)
cmyn3*	0.75	0.0	0.0 (0.0)
olvi4*	0.25	1.0	1.0 (1.0)
cmyn4*	0.75	0.0	0.0 (0.0)
standard and adapted CIELAB			
LAB*ab	67.81	-23.21	-30.76
LAB*laBa	67.81	-22.75	-33.85
LAB*TCBa	62.5	40.72	236.02
relative CIELAB lab*			
lab*ab	0.643	-0.418	-0.621
lab*tcB	0.625	0.75	0.656
lab*nch	0.0	0.75	0.656
relative Natural Colour (NC)			
lab*lrj	0.643	-0.488	-0.568
lab*tcC	0.625	0.75	0.637

 $(\text{olv3}^* = 0.25, 1, 0)$

BAM-test chart no. LE39; Offset reflective system (ORS)

125 colours in CIELAB and three relative device systems (DS)

```
input: olv* setrgbcolor
```

output: *no change compared to input*

(olv3* = 0.5, l3*, v3*)

(olv3* = 0.5, 0, 1)

System: ORS18

(olv3* = 0.75, l3*, v3*)

	A		B		C		D		E	
	relative Inform. Technology (IT)	relative Inform. Technology (IT)	relative Inform. Technology (IT)	relative Inform. Technology (IT)	relative Inform. Technology (IT)	relative Inform. Technology (IT)	relative Inform. Technology (IT)	relative Inform. Technology (IT)	relative Inform. Technology (IT)	relative Inform. Technology (IT)
d01	olvi3* 0.75 0.0 0.0 (1.0)	olvi3* 0.75 0.0 0.0 (1.0)	olvi3* 0.75 0.0 0.0 (1.0)	olvi3* 0.75 0.0 0.0 (1.0)	olvi3* 0.75 0.0 0.0 (1.0)	olvi3* 0.75 0.0 0.0 (1.0)	olvi3* 0.75 0.0 0.0 (1.0)	olvi3* 0.75 0.0 0.0 (1.0)	olvi3* 0.75 0.0 0.0 (1.0)	olvi3* 0.75 0.0 0.0 (1.0)
	cmyn3* 0.25 1.0 0.0 (0.0)	cmyn3* 0.25 1.0 0.0 (0.0)	cmyn3* 0.25 1.0 0.0 (0.0)	cmyn3* 0.25 1.0 0.0 (0.0)	cmyn3* 0.25 1.0 0.0 (0.0)	cmyn3* 0.25 1.0 0.0 (0.0)	cmyn3* 0.25 1.0 0.0 (0.0)	cmyn3* 0.25 1.0 0.0 (0.0)	cmyn3* 0.25 1.0 0.0 (0.0)	cmyn3* 0.25 1.0 0.0 (0.0)
	olvi4* 1.0 0.25 0.25 0.75	olvi4* 1.0 0.25 0.25 0.75	olvi4* 1.0 0.25 0.25 0.75	olvi4* 1.0 0.25 0.25 0.75	olvi4* 1.0 0.25 0.25 0.75	olvi4* 1.0 0.25 0.25 0.75	olvi4* 1.0 0.25 0.25 0.75	olvi4* 1.0 0.25 0.25 0.75	olvi4* 1.0 0.25 0.25 0.75	olvi4* 1.0 0.25 0.25 0.75
	cmyn4* 0.0 0.75 0.75 0.25	cmyn4* 0.0 0.75 0.75 0.25	cmyn4* 0.0 0.75 0.75 0.25	cmyn4* 0.0 0.75 0.75 0.25	cmyn4* 0.0 0.75 0.75 0.25	cmyn4* 0.0 0.75 0.75 0.25	cmyn4* 0.0 0.75 0.75 0.25	cmyn4* 0.0 0.75 0.75 0.25	cmyn4* 0.0 0.75 0.75 0.25	cmyn4* 0.0 0.75 0.75 0.25
	standard and adapted CIELAB	standard and adapted CIELAB	standard and adapted CIELAB	standard and adapted CIELAB	standard and adapted CIELAB	standard and adapted CIELAB	standard and adapted CIELAB	standard and adapted CIELAB	standard and adapted CIELAB	standard and adapted CIELAB
d02	LAB*LAB 40.46 49.1 38.93	LAB*LAB 40.46 49.03 37.88	LAB*LAB 40.46 49.03 37.88	LAB*LAB 40.46 49.03 37.88	LAB*LAB 40.46 49.03 37.88	LAB*LAB 40.46 49.03 37.88	LAB*LAB 40.46 49.03 37.88	LAB*LAB 40.46 49.03 37.88	LAB*LAB 40.46 49.03 37.88	LAB*LAB 40.46 49.03 37.88
	LAB*LAB 37.51 61.96 37.69	LAB*LAB 37.51 61.96 37.69	LAB*LAB 37.51 61.96 37.69	LAB*LAB 37.51 61.96 37.69	LAB*LAB 37.51 61.96 37.69	LAB*LAB 37.51 61.96 37.69	LAB*LAB 37.51 61.96 37.69	LAB*LAB 37.51 61.96 37.69	LAB*LAB 37.51 61.96 37.69	LAB*LAB 37.51 61.96 37.69
	relative CIELAB lab*	relative CIELAB lab*	relative CIELAB lab*	relative CIELAB lab*	relative CIELAB lab*	relative CIELAB lab*	relative CIELAB lab*	relative CIELAB lab*	relative CIELAB lab*	relative CIELAB lab*
	lab*lab 0.29 0.593 0.458	lab*lab 0.29 0.593 0.458	lab*lab 0.29 0.593 0.458	lab*lab 0.29 0.593 0.458	lab*lab 0.29 0.593 0.458	lab*lab 0.29 0.593 0.458	lab*lab 0.29 0.593 0.458	lab*lab 0.29 0.593 0.458	lab*lab 0.29 0.593 0.458	lab*lab 0.29 0.593 0.458
	lab*tch 0.375 0.75 0.105	lab*tch 0.375 0.75 0.105	lab*tch 0.375 0.75 0.105	lab*tch 0.375 0.75 0.105	lab*tch 0.375 0.75 0.105	lab*tch 0.375 0.75 0.105	lab*tch 0.375 0.75 0.105	lab*tch 0.375 0.75 0.105	lab*tch 0.375 0.75 0.105	lab*tch 0.375 0.75 0.105
d03	lab*nch 0.25 0.75 0.105	lab*nch 0.25 0.75 0.105	lab*nch 0.25 0.75 0.105	lab*nch 0.25 0.75 0.105	lab*nch 0.25 0.75 0.105	lab*nch 0.25 0.75 0.105	lab*nch 0.25 0.75 0.105	lab*nch 0.25 0.75 0.105	lab*nch 0.25 0.75 0.105	lab*nch 0.25 0.75 0.105
	relative Natural Colour (NC)	relative Natural Colour (NC)	relative Natural Colour (NC)	relative Natural Colour (NC)	relative Natural Colour (NC)	relative Natural Colour (NC)	relative Natural Colour (NC)	relative Natural Colour (NC)	relative Natural Colour (NC)	relative Natural Colour (NC)
	lab*lrj 0.29 0.739 0.126	lab*lrj 0.29 0.739 0.126	lab*lrj 0.29 0.739 0.126	lab*lrj 0.29 0.739 0.126	lab*lrj 0.29 0.739 0.126	lab*lrj 0.29 0.739 0.126	lab*lrj 0.29 0.739 0.126	lab*lrj 0.29 0.739 0.126	lab*lrj 0.29 0.739 0.126	lab*lrj 0.29 0.739 0.126
	lab*tce 0.375 0.75 0.027	lab*tce 0.375 0.75 0.027	lab*tce 0.375 0.75 0.027	lab*tce 0.375 0.75 0.027	lab*tce 0.375 0.75 0.027	lab*tce 0.375 0.75 0.027	lab*tce 0.375 0.75 0.027	lab*tce 0.375 0.75 0.027	lab*tce 0.375 0.75 0.027	lab*tce 0.375 0.75 0.027
	lab*nce 0.25 0.75 r10	lab*nce 0.25 0.75 r10	lab*nce 0.25 0.75 r10	lab*nce 0.25 0.75 r10	lab*nce 0.25 0.75 r10	lab*nce 0.25 0.75 r10	lab*nce 0.25 0.75 r10	lab*nce 0.25 0.75 r10	lab*nce 0.25 0.75 r10	lab*nce 0.25 0.75 r10
d04	LAB*LAB 51.07 29.99 49.95	LAB*LAB 51.07 30.13 48.19	LAB*LAB 51.07 30.13 48.19	LAB*LAB 51.07 30.13 48.19	LAB*LAB 51.07 30.13 48.19	LAB*LAB 51.07 30.13 48.19	LAB*LAB 51.07 30.13 48.19	LAB*LAB 51.07 30.13 48.19	LAB*LAB 51.07 30.13 48.19	LAB*LAB 51.07 30.13 48.19
	LAB*LAB 37.51 56.83 57.99	LAB*LAB 37.51 56.83 57.99	LAB*LAB 37.51 56.83 57.99	LAB*LAB 37.51 56.83 57.99	LAB*LAB 37.51 56.83 57.99	LAB*LAB 37.51 56.83 57.99	LAB*LAB 37.51 56.83 57.99	LAB*LAB 37.51 56.83 57.99	LAB*LAB 37.51 56.83 57.99	LAB*LAB 37.51 56.83 57.99
	relative CIELAB lab*	relative CIELAB lab*	relative CIELAB lab*	relative CIELAB lab*	relative CIELAB lab*	relative CIELAB lab*	relative CIELAB lab*	relative CIELAB lab*	relative CIELAB lab*	relative CIELAB lab*
	lab*lab 0.427 0.398 0.636	lab*lab 0.427 0.398 0.636	lab*lab 0.427 0.398 0.636	lab*lab 0.427 0.398 0.636	lab*lab 0.427 0.398 0.636	lab*lab 0.427 0.398 0.636	lab*lab 0.427 0.398 0.636	lab*lab 0.427 0.398 0.636	lab*lab 0.427 0.398 0.636	lab*lab 0.427 0.398 0.636
	lab*tch 0.375 0.75 0.161	lab*tch 0.375 0.75 0.161	lab*tch 0.375 0.75 0.161	lab*tch 0.375 0.75 0.161	lab*tch 0.375 0.75 0.161	lab*tch 0.375 0.75 0.161	lab*tch 0.375 0.75 0.161	lab*tch 0.375 0.75 0.161	lab*tch 0.375 0.75 0.161	lab*tch 0.375 0.75 0.161
d05	lab*nch 0.25 0.75 0.161	lab*nch 0.25 0.75 0.161	lab*nch 0.25 0.75 0.161	lab*nch 0.25 0.75 0.161	lab*nch 0.25 0.75 0.161	lab*nch 0.25 0.75 0.161	lab*nch 0.25 0.75 0.161	lab*nch 0.25 0.75 0.161	lab*nch 0.25 0.75 0.161	lab*nch 0.25 0.75 0.161
	relative Natural Colour (NC)	relative Natural Colour (NC)	relative Natural Colour (NC)	relative Natural Colour (NC)	relative Natural Colour (NC)	relative Natural Colour (NC)	relative Natural Colour (NC)	relative Natural Colour (NC)	relative Natural Colour (NC)	relative Natural Colour (NC)
	lab*lrj 0.427 0.588 0.466	lab*lrj 0.427 0.588 0.466	lab*lrj 0.427 0.588 0.466	lab*lrj 0.427 0.588 0.466	lab*lrj 0.427 0.588 0.466	lab*lrj 0.427 0.588 0.466	lab*lrj 0.427 0.588 0.466	lab*lrj 0.427 0.588 0.466	lab*lrj 0.427 0.588 0.466	lab*lrj 0.427 0.588 0.466
	lab*tce 0.375 0.75 0.107	lab*tce 0.375 0.75 0.107	lab*tce 0.375 0.75 0.107	lab*tce 0.375 0.75 0.107	lab*tce 0.375 0.75 0.107	lab*tce 0.375 0.75 0.107	lab*tce 0.375 0.75 0.107	lab*tce 0.375 0.75 0.107	lab*tce 0.375 0.75 0.107	lab*tce 0.375 0.75 0.107
	lab*nce 0.25 0.75 r43	lab*nce 0.25 0.75 r43	lab*nce 0.25 0.75 r43	lab*nce 0.25 0.75 r43	lab*nce 0.25 0.75 r43	lab*nce 0.25 0.75 r43	lab*nce 0.25 0.75 r43	lab*nce 0.25 0.75 r43	lab*nce 0.25 0.75 r43	lab*nce 0.25 0.75 r43

(olv3* = 0.75, 0, 1)

System: ORS18

BAM-test chart no. LE39; Offset reflective system (ORS)
125 colours in CIELAB and three relative device systems (DS)

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

LE390-7, Test chart file with 5x5x5 (=125) colours; Device dependent colour coordinates olv3* of ISO/IEC 15775:1999 as input; r3* = o3* = 0.75 = const.

(olv3* = 1.0, l3*, v3*)

(olv3* = 1.0, 0, 1)

System: ORS18