

XLTest Colorizer – free formula mapping tool for Microsoft Excel™

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Colour maps give you an easily readable visualization of the structure and content of a spreadsheet. Inconsistent formulas and data stand out for attention.	900	648	445	811	6556
	729	64	255	363	5263
	4145	3124	3439	3173	39393
	240	871	153	408	4703
	377	616	324	457	6678
	342	464	104	237	5693
	959	1951	581	1102	17074
	431	859	194	993	6114
	251	476	500	982	5626
	350	259	494	428	4150

The full XLTest product has many more features, see below for more information.

Installation

Unzip the distribution package into a directory of your choice. It will contain the two versions of the addin (for Excel 2003 and 2007), this user manual, and the license agreement.

In versions of Excel prior to 2007, click Tools > Add-Ins, click Browse, open the folder into which you placed the addin, and select the file “XLTest Colorizer.xla”. A new menu option will appear at the end of the Tools menu “Colorize Formulas”.

In Excel 2007, click the Office Button, Excel Options, Add-Ins, in the Manage dropdown select Excel Add-ins, click Go, click Browse, open the folder into which you placed the addin, and select the file “XLTest Colorizer.xlam”. A new menu option will appear in the Review group “Colorize Formulas”. The icon is .

To uninstall, go to the Add-Ins dialog as above, then deselect “XLTest Colorizer”.

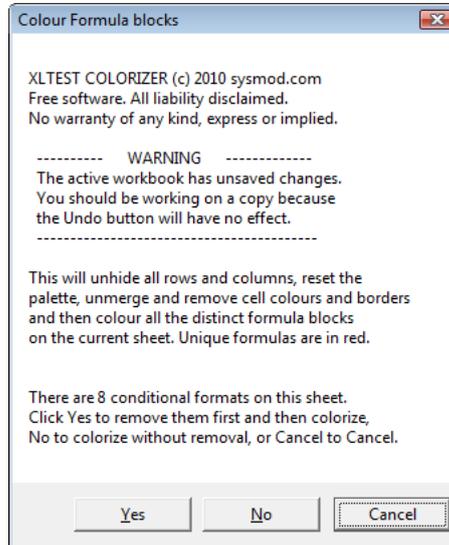
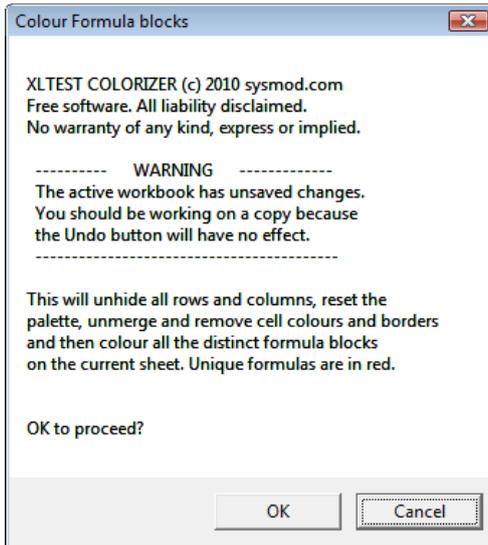
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How to use the Formula Colorizer

First be sure you are working on a copy of your workbook, as this will change the colouring of many worksheet cells. Click the menu option (2003) or icon (2007). Depending on whether your worksheet has unsaved changes, or has conditional formatting, you may see either of these prompts:



When you click to proceed, the formulas on the worksheet will be coloured with a distinct colour for each formula. This enables you to easily see suspicious patterns such as formulas overtyped by constant values, or inconsistent formulas in an area. Red is used for unique formulas, those which occur only once.

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Dept B													
Admin	411	643	710	484	247	349	375	223	377	325	441	407	4907
Accounting	427	544	331	548	380	435	164	442	184	954	470	670	4574
Architect	281	967	239		274	793	34	264	269	237	964	437	2660
Advertising	333	540	241	179	240	246	740	182	169	976	234	415	7460
Advertising	494	517	191	700	225	243	791	274	910	449	485	111	4554
Advertiser	195	195	238	196	373	320	192	314	725	44	239	244	2613
Total	2454	3311	2950	2727	2464	2394	2311	3711	4145	3124	3419	3174	33393
Dept B													
Bar	344	480	242	71	77	243	753	431	240	371	183	481	4733
Barber	352	444	274	912	492	229	711	194	277	616	324	487	4472
Bathroom	931	893	488	349	862	258	279	992	242	464	904	2377	5643
Total	1627	1848	991	1297	923	1485	1742	2550	954	995	911	1902	14748
Dept C													
Cashier	249	172	471	924	803	242	422	239	431	859	104	919	4154
Cashier	161	890	811	947	21	116	224	281	474	908	412	614	5124
Cashier	248	543	497	94	220	109	393	75	250	259	444	421	4104
Curriculum	855	431	422	914	971	872	976	792	115	223	826	246	7191
Chemical test	827	484	259	927	932	192	186	92	244	409	321	814	4923
Clipboard	927	159	853	160	767	810	104	299	442	853	214	162	5149
Computer	46	323	619	199	174	109	121	246	419	923	474	79	2639
Total	2191	3129	4287	3359	4919	2491	3493	2111	2802	3702	2163	3532	34422
Dept D													
Diner	70	588	518	179	490	424	240	393	196	619	167	674	2716
Diner	992	277	718	841	846	139	424	432	182	636	979	447	4274
Diner	279	311	717	849	270	218	457	247	170	61	141	711	4446
Diner	324	819	914	448	343	430	140	391	237	249	893	2447	4262
Diner	421	446	29	724	270	167	165	419	241	743	102	1477	5228
Dinner	422	334	452	349	101	175	307	439	247	475	636	403	4151
Total	4120	3359	4516	4236	4452	2822	2485	2013	2194	2616	4469	21477	42769
Dept E													
Electrician	614	815	740	836	37	415	493	14	823	337	279	161	3773
Electrician	371	949	817	95	879	422	420	222	463	289	193	284	3942
Electrician	119	144	440	909	442	242	354	174	137	425	231	793	4404
Electrician	449	374	921	890	463	791	239	443	923	710	424	516	7199
Environment	925	232	239	40	526	361	297	467	771	239	403	489	2446
Event	859	46	600	214	81	273	246	195	254	146	165	162	3215
Event	293	949	497	914	640	18	596	169	44	637	463	215	3687
Estimator	251	371	315	526	162	234	374	6	46	952	179	424	4652
Total	4502	5273	4402	4418	3411	3211	4102	2469	3511	4891	2164	1611	4652
Dept F													
Factory	795	111	618	401	121	481	422	231	127	262	484	249	4237
Factory	254	295	459	312	815	123	764	215	225	164	279	427	4165
Factory	559	490	423	723	242	281	446	405	693	767	996	1229	7293

You can of course remove the colours by selecting all the cells, click the Format Cells menu, and on the Fill tab click "No color" and OK.

This software is provided with no warranty. If you would like to suggest improvements, please send an email to spreadsheet@sysmod.com

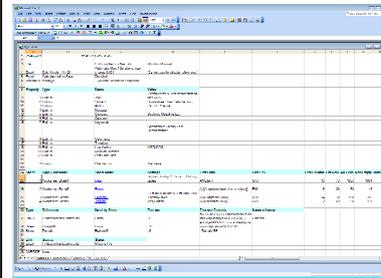
I hope you find this addin useful.

Patrick O'Beirne, Jan. 2011.

XLTest - Excel spreadsheet quality check

<http://www.sysmod.com/XLTest>

Detailed documentation reveals all the non-obvious content of the spreadsheet. It can reveal hidden rows, columns, and sheets. It helps you get to grips with a large spreadsheet that you have to understand.



Colour maps give you an easily readable visualization of the structure and content of a spreadsheet. Inconsistent formulas and data stand out for attention.

3	9000	648	4445	0111	62566
4	725	64	255	369	5263
1	4145	3124	3489	3173	38303
2	240	871	153	408	4702
3	377	616	324	457	6378
4	342	464	104	237	5683
5	953	1951	581	102	17074
6					
7	421	953	134	989	5118
8	251	476	500	962	5526
9	350	259	434	428	4150

Detailed error checking makes it easy to find and fix errors far more quickly than with tedious cell-by-cell inspection.

	A	B	C
1	A commendium of error values		
2	Detailed Check		
3	MyTest.xls	E	
4	=\$NF_Errors(1)		
5	Report as at	#####	
6			
7	Credit Card no.	#####	1234-5678-9012
8			
9	Deposit amount		
10			
11	Minimum payment	#VALUE!	
12			
13	Total so far	#NAME?	

Test case maintenance and documentation make it easy to prove regression testing

Test Case	Comment	Test Sheet	Test Cells	Test	Test Value
TestCase1	General comment	ActiveSheet			
TestCase1	Set range B1:B3 to value 2		B1:B3	: Value Only	2
TestCase1	Set A4 to 3 and format shown		A4	@ Value and Format	3.00
TestCase1	Test whether C21=21		C21	= Equals	21
TestCase1	Show value of expression, no test		=SUM(D1:D3)	No test	

Worksheet and workbook **comparisons** make it easy to see what has changed between two versions of a spreadsheet file

	A	B	C	D	E
2	Worksheet	Address	Difference	EX10E00.XLS	ex20E00.XLS
3	Budget@9	I16	Value	104	104
4	Budget@9	I16	Value	False	True
49	Budget@9	N16	Value	5893	5793
41	Budget@9	B17	Formula	=B14+B15+B16	=SUM(B14:B16)
42	Budget@9	C17	Formula	=C14+C15+C16	=SUM(C14:C16)
43	Budget@9	D17	Formula	=D14+D15+D16	=SUM(D14:D16)
44	Budget@9	E17	Formula	=E14+E15+E16	=SUM(E14:E16)
45	Budget@9	F17	Formula	=F14+F15+F16	=SUM(F14:F16)
46	Budget@9	G17	Formula	=G14+G15+G16	=SUM(G14:G16)
47	Budget@9	H17	Formula	=H14+H15+H16	=SUM(H14:H16)
48	Budget@9	I17	Formula	=I14+I15+I16	=SUM(I14:I16)
49	Budget@9	J17	Formula	=J14+J15+J16	=SUM(J14:J16)
50	Budget@9	K17	Formula	=K14+K15+K16	=SUM(K14:K16)
51	Budget@9	L17	Formula	=L14+L15+L16	=SUM(L14:L16)
52	Budget@9	M17	Formula	=M14+M15+M16	=SUM(M14:M16)
53	Budget@9	N17	Value	17074	17056
54	Budget@9	O17	Value	34368	32319
55	Budget@9	MD9	Value	False	True
56	Budget@9	MD9	Validation Formula	Between 0, 360	Between 0, 1000
57	Budget@9	MD1	Value	0	9
58	Budget@9	MD1	Value	False	True
59	Budget@9	MD1	Validation Formula	Between 0, 360	Between 0, 1000
60	Budget@9	MD2	Value	5626	5636

Convenient keyboard and menu **shortcuts** make navigation and operations easier

	1 Copy Formula	Ctrl+Alt+1
	2 Copy Text	Ctrl+Alt+2
	3 Operate on selection	Ctrl+Alt+3
	5 Go To Reference	Ctrl+Alt+5
	6 Flag active cell	Ctrl+Alt+6
	Z Select from Active Cell	Ctrl+Alt+7
	8 Select Formula region	Ctrl+Alt+8
	Q Jump to bottom right	Ctrl+Alt+0