

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
725	64	255	363	5263
4145	3124	3439	3179	39303
240	871	153	408	4703
377	616	324	457	6678
342	464	104	237	5693
959	1951	581	1102	17074
431	859	194	989	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”.

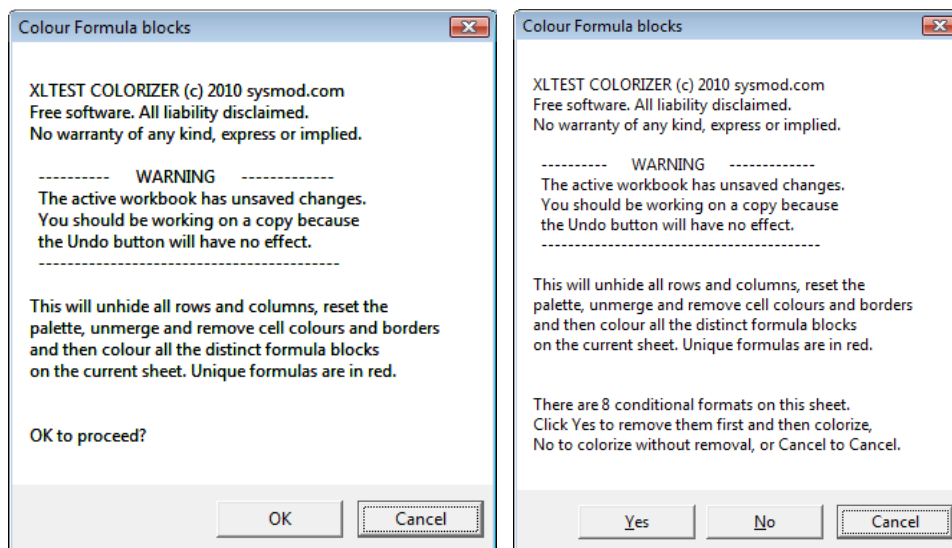
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How to use the Formula Colorizer

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.

The screenshot shows a spreadsheet titled 'EXIDEMO.XLS [Compatibility Mode]'. It displays a budget table with columns for months (Jan to Dec) and departments (Dept A to Dept F). The table is color-coded by formula blocks. The following table represents the data shown in the screenshot:

	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Dept A	411	440	710	484	247	949	975	220	977	935	441	407	4907
Accounting	427	544	331	548	380	435	104	442	104	934	470	670	4574
Advertising	201	967	239	574	703	34	954	260	207	964	437	560	5600
Administrative	153	540	241	179	740	546	740	142	169	976	234	415	7400
Advertising	494	917	191	700	225	243	791	274	910	449	445	111	4554
Administrative	105	40	330	196	970	920	102	934	725	44	255	244	5213
Total	2494	3381	2050	2727	3464	3994	2381	3711	4145	3124	3419	3174	33393
Dept B	344	440	242	71	77	243	753	431	240	571	182	481	4703
Bar	252	444	774	912	492	239	711	194	277	616	324	487	4470
Bathhouse	421	943	485	349	842	250	279	992	342	464	904	237	5443
Total	1637	1648	999	1207	943	168	1742	2950	959	1051	811	1002	16443
Dept C	249	172	471	924	903	242	422	219	431	559	104	919	4154
Cashier	161	990	911	947	21	416	234	251	474	909	912	916	9126
Cashier	340	943	497	94	220	109	393	75	250	259	494	421	4101
Curriculum	955	431	422	914	471	972	476	792	119	223	926	246	7991
Chemical test	927	485	259	927	933	192	186	92	244	409	321	914	4593
Chickadee	927	150	893	160	767	810	104	299	442	953	244	912	5149
Computer	46	323	640	150	174	109	121	244	499	923	474	79	2639
Total	2101	3120	4287	3150	4515	2401	3493	2110	2802	3702	2163	2527	34422
Dept D	70	990	591	179	490	424	340	353	196	619	107	676	5710
Diner	992	277	710	811	846	139	424	432	152	616	970	447	4271
Diner	779	131	717	940	730	185	457	247	170	61	449	719	4404
Diner	124	919	914	440	343	430	140	391	237	249	993	244	4292
Diner	421	446	29	724	710	167	105	499	241	743	102	497	5229
Diner	402	334	952	149	101	175	507	430	247	475	436	903	4151
Total	4120	3350	4516	4236	4452	2822	2455	3013	2194	2616	4469	2147	42769
Dept E	614	915	740	936	37	415	433	14	923	337	270	161	5773
Electricity	371	960	917	95	979	422	420	222	463	290	193	204	5942
Electricity	110	944	443	909	442	242	354	114	137	425	231	793	4404
Electricity	469	374	921	990	940	791	230	443	923	710	424	516	7109
Electricity	925	232	239	40	936	541	717	467	771	239	403	409	5940
Electricity	159	40	640	134	81	273	240	155	254	140	155	152	5245
Electricity	293	949	497	944	640	10	596	140	44	637	463	211	6067
Electricity	151	671	135	936	162	234	274	6	46	952	170	424	4652
Total	4592	5273	4402	4418	3410	3211	4102	2469	1511	4591	2164	1110	4652
Dept F	755	111	618	401	621	491	422	236	127	262	404	240	6237
Factory clean	254	205	409	312	945	123	764	704	225	164	279	427	4165
Factory clean	559	490	423	723	242	251	446	405	692	747	996	420	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

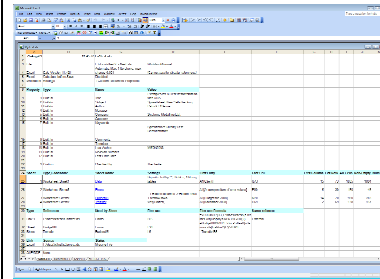
I hope you find this addin useful.

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.



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959	1951	581	1102	17074
431	859	194	989	6114
281	476	500	982	5628
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 compendium of error values		
2	Detailed Check		
3	MyTest.xls	E	
4	=N(F_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
Test Case 1	General comment	ActiveSheet			
Test Case 1	Set range B1:B3 to value 2		B1:B3	: Value Only	2
Test Case 1	Set A4 to 3 and format shown		A4	@ Value and Format	3.00
Test Case 1	Test whether C21=21		C21	= Equals	21
Test Case 1	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
1					
2	Worksheet	Address	Difference	EX1000.XLS	ex1000.XLS
3	Budget09	B16	Value	104	104
4	Budget09	B16	Value	False	True
45	Budget09	B16	Value	5893	5793
47	Budget09	B17	Formula	=B14+B15+B16	=SUM(B14:B16)
48	Budget09	C17	Formula	=C14+C15+C16	=SUM(C14:C16)
49	Budget09	D17	Formula	=D14+D15+D16	=SUM(D14:D16)
44	Budget09	E17	Formula	=E14+E15+E16	=SUM(E14:E16)
45	Budget09	F17	Formula	=F14+F15+F16	=SUM(F14:F16)
46	Budget09	G17	Formula	=G14+G15+G16	=SUM(G14:G16)
47	Budget09	H17	Formula	=H14+H15+H16	=SUM(H14:H16)
48	Budget09	I17	Formula	=I14+I15+I16	=SUM(I14:I16)
49	Budget09	J17	Formula	=J14+J15+J16	=SUM(J14:J16)
50	Budget09	K17	Formula	=K14+K15+K16	=SUM(K14:K16)
51	Budget09	L17	Formula	=L14+L15+L16	=SUM(L14:L16)
52	Budget09	M17	Formula	=M14+M15+M16	=SUM(M14:M16)
53	Budget09	N17	Value	17074	17055
54	Budget09	O17	Value	34148	34110
55	Budget09	M20	Valid	False	True
56	Budget09	M20	Validation Formula	Between " " - 369	Between " " - 1000
57	Budget09	B21	Value	0	9
58	Budget09	M21	Valid	False	True
59	Budget09	M21	Validation Formula	Between " " - 369	Between " " - 1000
60	Budget09	M21	Value	5826	5836

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
7	Select from Active Cell	Ctrl+Alt+7
8	Select Formula region	Ctrl+Alt+8
9	Jump to bottom right	Ctrl+Alt+0