

Re: count occurrences of font color

Source:

<http://www.tech-archive.net/Archive/Excel/microsoft.public.excel.programming/2006-02/msg01195.html>

- *From:* "Tom Ogilvy" <twogilvy@xxxxxxxx>
 - *Date:* Sun, 5 Feb 2006 12:18:22 -0500
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I agree, your check is faster, but I am not seeing those types of differences.

If we cull it down to the essence of the discussion:

```
Sub Tester1()  
Dim s As Single, e As Single  
Dim num As Long, res As Long  
Dim b As Boolean  
num = 100000  
s = Timer  
For i = 1 To num  
' res = ActiveCell.Characters(1, 1).Font.ColorIndex  
Next  
Debug.Print Timer - s  
s = Timer  
For i = 1 To num  
' b = IsNull(ActiveCell.Font.ColorIndex)  
' res = ActiveCell.Font.ColorIndex  
Next  
Debug.Print Timer - s  
End Sub
```

I get differences like this

```
2.191406 ' using characters  
1.378906 ' using isnull and not using characters
```

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Regards,
Tom Ogilvy

"keepITcool" <xrrcvgpbbby@xxxxxxxx> wrote in message
news:xn0ei2qeq157zlg000keepitcoolnl@xxxxxxxxxxxxxxxxxxxxxxxx

Tom,

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Please rethink: The difference is in the cells which have NOT been partially formatted.

For a cell which has an entire blue font there is hardly any difference as the loop will exit on the first character. (although the isnull is more efficient (factor 10) as it avoids the characters method.)

However:

if a cell is (entirely) formatted as Auto or Red (not blue) then your code must complete the loop to determine that all
.Characters(i,1).font.colorindex <> 41

Run a test:

1000 rows with text of 30 chars.

.cells.font.colorindex= 41

my code: .05 secs.

your code: .66 secs.

.cells.font.colorindex=xlAutomatic or vbRed

my code: .05 secs.

your code: 20.00 secs

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keepITcool

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Tom Ogilvy wrote :

Not true. Your isnull test determines the need to loop or not. If it is null, you loop. No difference there in approaches except the extra test.

If it isn't null, you check the font color of the range. In that case, my checking the first character would stop the loop just as easily with no additional looping..

```
For Each rCell In rRange.Cells
With rCell
For i = 1 To Len(.Value)
If .Characters(i, 1).Font.ColorIndex = iColor Then
n = n + 1
Exit For
End If
```

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End If
End With
Next

Should be just as effective. No looping through xlautomatic except
in the same situations your original code. would. loop.