

# How can I format cells as a percentage using VBA?

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## RECOMMENDED CITATION

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Formatting cells as a percentage is a common task in data analysis and reporting. With the use of VBA (Visual Basic for Applications), this process can be automated and made more efficient. VBA is a programming language that allows users to create macros and automate tasks in Microsoft Excel. To format cells as a percentage using VBA, the following steps can be followed:

1. Open the Visual Basic Editor by pressing Alt + F11 on your keyboard.
2. In the Project Explorer, select the worksheet where you want to format cells as a percentage.
3. In the code window, create a macro by typing "Sub FormatPercentage()" followed by pressing Enter.
4. Use the Range object to select the cells that you want to format as a percentage. For example, "Range("A1:B10")" will select the cells from A1 to B10.
5. Use the NumberFormat property and set it to "0.00%" to format the cells as a percentage with two decimal places.
6. Close the macro by typing "End Sub" and press Enter.
7. To execute the macro, go back to your Excel worksheet and press Alt + F8. Select the "FormatPercentage" macro and click on Run.
8. The selected cells will now be formatted as a percentage.

Using VBA to format cells as a percentage can save time and effort, especially when dealing with large datasets. It also ensures consistency and accuracy in the formatting process. With a basic understanding of VBA, users can easily customize the code to suit their specific needs.

## VBA: Format Cells as Percentage

You can use the following basic syntax in VBA to format each cell in a range as a percentage.

```
Sub FormatPercent()
```

```
Dim i As Integer
```

```
For i = 2 To 11
```

```
Range("A" & i).NumberFormat = "0.00%"
```

```
Next i
```

## End Sub

This particular example formats each cell in the range A2:A11 as a percentage value with two decimal places.

The following example shows how to use this syntax in practice.

### Example: Format Cells as Percentage Using VBA

Suppose we have the following list of values in Excel:

	A	B	C	D	E	F
1	<b>Value</b>					
2	0.22					
3	0.35					
4	0.433					
5	0.998					
6	0.5					
7	0.67					
8	0.875					
9	0.43					
10	0.41					
11	0.901					
12						
13						
14						
15						
16						
17						
18						

Suppose that we would like to format each value as a

**percentage.**

**For example:**

**0.22 should be formatted as 22%.0.35 should be formatted as 35%.**

**And so on.**

**We can create the following macro to do so:**

```
Sub FormatPercent()
```

```
Dim i As Integer
```

```
For i = 2 To 11
```

```
Range("A" & i).NumberFormat = "0.00%"
```

```
Next i
```

```
End Sub
```

**When we run this macro, we receive the following output:**

	A	B	C	D	E	F
1	<b>Value</b>					
2	22.00%					
3	35.00%					
4	43.30%					
5	99.80%					
6	50.00%					
7	67.00%					
8	87.50%					
9	43.00%					
10	41.00%					
11	90.10%					
12						
13						
14						
15						
16						
17						
18						

**Each value is now formatted as a percentage with two decimal places.**

**Note that the number of zeros after the decimal point in the NumberFormat property specifies the number of decimal places to display in each percentage.**

**Sub FormatPercent()**

**Dim i As Integer**

**For i = 2 To 11**

**Range("A" & i).NumberFormat = "0%"**

**Next i**

**End Sub**

**When we run this macro, we receive the following output:**

	A	B	C	D	E	F
1	<b>Value</b>					
2	22%					
3	35%					
4	43%					
5	100%					
6	50%					
7	67%					
8	88%					
9	43%					
10	41%					
11	90%					
12						
13						
14						
15						
16						
17						
18						

**Notice that the decimal places have been removed from each percentage value.**

**Note: You can find the complete documentation for the**

## VBA NumberFormat property .

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