

# NumberFormat

## Description

`NumberFormat` is a helper class that creates custom number format strings, which are used for formatting numbers and dates. Use `Style.NumberFormat` to set a number format for a specific style.

### C#

```
public sealed class NumberFormat
```

### vb.net

```
Public NotInheritable Class NumberFormat
```

## Examples

### C#

```
//--- Open a workbook.
ExcelApplication xla = new ExcelApplication();
Workbook wb = xla.Open(@"C:\report.xls");

//--- Create a style.
Style percentStyle = wb.CreateStyle();

//--- Specify that the number format for the style is a percentage with
three
//--- decimal places (0.000%).
//--- The following line is equivalent to percentStyle.NumberFormat =
"0.000%"
percentStyle.NumberFormat = wb.NumberFormat.CreatePercentage(3);
```

## vb.net

```
'--- Open a workbook.
Dim xla As New ExcelApplication()
Dim wb As Workbook = xla.Open("C:\report.xls")

'--- Create a style.
Dim percentStyle As Style = wb.CreateStyle()

'--- Specify that the number format for the style is a percentage with three
'--- decimal places (0.000%).
'--- The following line is equivalent to percentStyle.NumberFormat =
"0.000%"
percentStyle.NumberFormat = wb.NumberFormat.CreatePercentage(3)
```

## Methods

Name	Description
CreateAccounting(Int32, Boolean, NumberFormat.Color)	Creates an accounting format string.
CreateCurrency(Int32, Boolean, Boolean, Boolean, NumberFormat.Color)	Creates a format string for displaying currency values.
CreateCurrency(Int32, Boolean, Boolean, NumberFormat.Color, String, String, Boolean, Boolean)	Creates a format string for displaying currency values, and allows locale-specific currency symbols.
CreateFraction(Int32)	Creates a string for displaying fractions.
CreateFraction(Int32, Int32)	Creates a string for displaying fractions.
CreateNumber(Int32, Boolean, Boolean, Boolean, Boolean, NumberFormat.Color)	Creates a format string for displaying numbers.
CreatePercentage(Int32)	Creates a string for displaying percentages.
CreateScientific(Int32)	Creates a scientific number format string.

## Nested Classes

Name	Description
Color	The <code>Color</code> enumeration contains the colors that can be used to display negative numbers in a <code>NumberFormat</code> .
DateFormat	<code>NumberFormat</code> values for Date data types
Special_EN_US	<code>NumberFormat</code> values for specialized American numbers
TimeFormat	<code>NumberFormat</code> values for Time data types