

## How to add surface chart in VB.NET with ByteScout Spreadsheet SDK

Write code in VB.NET to add surface chart with this step-by-step tutorial

Learn how to add surface chart in VB.NET with this source code sample. What is ByteScout Spreadsheet SDK? It is the library (SDK) that is capable of writing, reading, modifying and calculating Excel and CSV spreadsheets. Most popular formulas can be calculated and recalculated with Excel installed. You may import or export data to and from CSV, XML, JSON as well as to and from databases, arrays. It can help you to add surface chart in your VB.NET application.

Fast application programming interfaces of ByteScout Spreadsheet SDK for VB.NET plus the instruction and the code below will help you quickly learn how to add surface chart. Just copy and paste the code into your VB.NET application's code and follow the instruction. You can use these VB.NET sample examples in one or many applications.

Free trial version of ByteScout Spreadsheet SDK is available on our website. Documentation and source code samples are included.

FOR MORE INFORMATION AND FREE TRIAL:

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[visit www.Bytescout.com](http://www.Bytescout.com)

### Source Code Files:

Module1.vb

```
Imports Bytescout.Spreadsheet
Imports Bytescout.Spreadsheet.Charts
```

```
Module Module1
```

```
Sub Main()
```

```
    ' Create new Spreadsheet object
```

```
    Dim spreadsheet As New Spreadsheet()
    spreadsheet.RegistrationName = "demo"
    spreadsheet.RegistrationKey = "demo"
```

```
    ' Add new worksheet
```

```
    Dim sheet As Worksheet = spreadsheet.Workbook.Worksheets.Add("Sample")
```

```
    ' Add a data for Surface chart
```

```
    Dim count As Integer = 10
```

```
    Dim [step] As Double = 2 * Math.PI / (count - 1)
```

```
    For i As Integer = 0 To count - 1
```

```
        For j As Integer = 0 To count - 1
```

```
            sheet(i, j).Value = Math.Sin([step] * Math.Sqrt(i * i + j * j))
```

```
        Next
```

```
    Next
```

```
    ' Add charts to worksheet
```

```
    Dim surfaceChart As Chart = sheet.Charts.AddChartAndFitInto(11, 1, 28, 8, ChartType.Surface)
```

```
    For i As Integer = 0 To count - 1
```

```
        surfaceChart.SeriesCollection.Add(New Series(sheet.Range(0, i, 9, i)))
```

```
    Next
```

```
    surfaceChart = sheet.Charts.AddChartAndFitInto(11, 10, 28, 17, ChartType.Surface)
```

```
    For i As Integer = 0 To count - 1
```

```
        surfaceChart.SeriesCollection.Add(New Series(sheet.Range(0, i, 9, i)))
```

```
    Next
```

```
    surfaceChart = sheet.Charts.AddChartAndFitInto(29, 1, 46, 8, ChartType.Surface)
```

```
    For i As Integer = 0 To count - 1
```

```
        surfaceChart.SeriesCollection.Add(New Series(sheet.Range(0, i, 9, i)))
```

```
    Next
```

```
    surfaceChart = sheet.Charts.AddChartAndFitInto(29, 10, 46, 17, ChartType.Surface)
```

```
    For i As Integer = 0 To count - 1
```

```
        surfaceChart.SeriesCollection.Add(New Series(sheet.Range(0, i, 9, i)))
```

```
    Next
```

```
    ' Save it as XLS
```

```
    spreadsheet.SaveAs("Output.xls")
```

```
    ' Close the document
```

```
    spreadsheet.Close()
```

```
    ' Cleanup
```

```
    spreadsheet.Dispose()
```

```
    ' Open generated XLS file in default associated application
```

```
    Process.Start("Output.xls")
```

End Sub

End Module

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VIDEO

[https://www.youtube.com/watch?v=nm\\_7I0PN1TY](https://www.youtube.com/watch?v=nm_7I0PN1TY)

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