

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

This code in VB.NET shows how to add bubble chart with this how to tutorial

Learn how to add bubble chart in VB.NET with this source code sample. ByteScout Spreadsheet SDK 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 and you can use it to add bubble chart with VB.NET.

VB.NET code samples for VB.NET developers help to speed up coding of your application when using ByteScout Spreadsheet SDK. In your VB.NET project or application you may simply copy & paste the code and then run your app! Use of ByteScout Spreadsheet SDK in VB.NET is also explained in the documentation included along with the product.

Trial version of ByteScout Spreadsheet SDK is available for free. Source code samples are included to help you with your VB.NET app.

FOR MORE INFORMATION AND FREE TRIAL:

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[Read more about ByteScout Spreadsheet SDK](#)

[Explore API Documentation](#)

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[Get Free API key for Web API](#)

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

### Source Code Files:

Module1.vb

```
Imports Bytescout.Spreadsheet
Imports Bytescout.Spreadsheet.Charts
Imports System.IO
```

```
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 few random numbers
```

```
        Dim length As Integer = 10
```

```
        Dim rnd As New Random()
```

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

```
            sheet.Cell(i, 0).Value = rnd.[Next](10)
```

```
            sheet.Cell(i, 1).Value = rnd.[Next](10)
```

```
            sheet.Cell(i, 2).Value = rnd.[Next](1, 3)
```

```
        Next
```

```
        ' Add charts to worksheet
```

```
        Dim bubbleChart As Chart = sheet.Charts.AddChartAndFitInto(1, 4, 19, 11, ChartType.Bubble3D)
        bubbleChart.SeriesCollection.Add(New Series(sheet.Range(0, 1, length - 1, 1), SeriesType.Bubble3D))
```

```
        bubbleChart = sheet.Charts.AddChartAndFitInto(1, 12, 19, 19, ChartType.Bubble3D)
        bubbleChart.SeriesCollection.Add(New Series(sheet.Range(0, 1, length - 1, 1), SeriesType.Bubble3D))
```

```
        ' 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
```

## VIDEO

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

## ON-PREMISE OFFLINE SDK

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