

How to add doughnut chart in C# using ByteScout Spreadsheet SDK

This tutorial will show how to add doughnut chart in C#

Every ByteScout tool contains example C# source codes that you can find here or in the folder with installed ByteScout product. ByteScout Spreadsheet SDK is the SDK to create, read, modify and calculate spreadsheets. Formula calculations are supported, import and export to and from JSON, CSV, XML, databases, arrays and you can use it to add doughnut chart with C#.

Fast application programming interfaces of ByteScout Spreadsheet SDK for C# plus the instruction and the code below will help you quickly learn how to add doughnut chart. This C# sample code is all you need for your app. Just copy and paste the code, add references (if needs to) and you are all set! Implementing C# application typically includes multiple stages of the software development so even if the functionality works please test it with your data and the production environment.

Trial version of ByteScout Spreadsheet SDK can be downloaded for free from our website. It also includes source code samples for C# and other programming languages.

C# - Program.cs

```
using System;
using System.Diagnostics;
using Bytescout.Spreadsheet;
using Bytescout.Spreadsheet.Charts;

namespace CSharp
{
    class Program
    {
        static void Main(string[] args)
        {
            // Create new Spreadsheet object
            Spreadsheet spreadsheet = new Spreadsheet();
            spreadsheet.RegistrationName = "demo";
            spreadsheet.RegistrationKey = "demo";

            // Add new worksheet
            Worksheet sheet = spreadsheet.Workbook.Worksheets.Add("Sample");

            // Add few random numbers
            int length = 10;
            Random rnd = new Random();
            for (int i = 0; i < length; i++)
            {
                sheet.Cell(i, 0).Value = rnd.Next(10);
            }
        }
    }
}
```

```

        sheet.Cell(i, 1).Value = rnd.Next(10);
    }

    // Add charts to worksheet
    Chart doughnutChart = sheet.Charts.AddChartAndFitInto(12, 1, 35, 9,
ChartType.Doughnut);
    doughnutChart.SeriesCollection.Add(new Series(sheet.Range(0, 0, length -
1, 0)));
    doughnutChart.SeriesCollection.Add(new Series(sheet.Range(0, 1, length -
1, 1)));

    doughnutChart = sheet.Charts.AddChartAndFitInto(12, 10, 35, 18,
ChartType.DoughnutExploded);
    doughnutChart.SeriesCollection.Add(new Series(sheet.Range(0, 0, length -
1, 0)));
    doughnutChart.SeriesCollection.Add(new Series(sheet.Range(0, 1, length -
1, 1)));

    // 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");
}
}
}

```

FOR MORE INFORMATION AND FREE TRIAL:

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