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pdf to image with custom size with pdf renderer sdk in C# and ByteScout Premium Suite

Learn to code in C# to make pdf to image with custom size with pdf renderer sdk with this simple How-To tutorial

These source code samples are assembled by their programming language and functions they use. ByteScout Premium Suite was made to help with pdf to image with custom size with pdf renderer sdk in C#. ByteScout Premium Suite is the set that includes 12 SDK products from ByteScout including tools and components for PDF, barcodes, spreadsheets, screen video recording.

Save time on writing and testing code by using the code below and use it in your application. Follow the steps-by-step instructions from the scratch to work and copy and paste code for C# into your editor. Want to see how it works with your data then code testing will allow the function to be tested and work properly.

If you want to try other samples for C# then free trial version of ByteScout Premium Suite is available on our website.

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Source Code Files:

Program.cs

```
using System;
using System.Collections.Generic;
using System.Diagnostics;
using Bytescout.PDFRenderer;

namespace PDF2ImageWithCustomSize
{
    class Program
    {
        static void Main(string[] args)
        {
            // Specify Image Generation Inputs
            ImageGenerationInputs imageGenerationInputs = new ImageGenerationInputs();

            imageGenerationInputs.AddCustomSize(width: 320, height: 420);
            imageGenerationInputs.AddCustomSize(width: 600, height: 800);

            imageGenerationInputs.EnableSaveAsPng = true;
            imageGenerationInputs.EnableSaveAsJpeg = true;
            imageGenerationInputs.EnableSaveAsTiff = true;

            // Create an instance of Bytescout.PDFRenderer.RasterRenderer object and register it
            RasterRenderer renderer = new RasterRenderer();
            renderer.RegistrationName = "demo";
            renderer.RegistrationKey = "demo";

            // Load PDF document
            renderer.LoadDocumentFromFile("multipage.pdf");

            // Specify Rendering Options to fine tune output generation
            RenderingOptions renderingOptions = new RenderingOptions();
            renderingOptions.TIFFCompression = TIFFCompression.None;
            renderingOptions.VectorSmoothingMode = GraphicsTransformationQuality.HighQuality;

            // Loop through each custom size specified
            foreach (var itmCustomSize in imageGenerationInputs.CustomSizes)
            {
                // Loop through all pages
                for (int pageIndex = 0; pageIndex < renderer.GetPageCount(); pageIndex++)
                {
                    // Perform save as PNG, if specified
                    if (imageGenerationInputs.EnableSaveAsPng)
                    {
                        var pngImageName = "output_{itmCustomSize.Key}x{itmCustomSize.Value}.png";
                        // Save png image per page, per custom size
                        renderer.Save(
                            destFileName: pngImageName,
                            outputFormat: RasterImageFormat.PNG,
                            pageIndex: pageIndex,
                            width: itmCustomSize.Key,
                            height: itmCustomSize.Value,
                            renderingOptions: renderingOptions
                        );
                        Console.WriteLine(pngImageName + " - Generated");
                    }
                }
            }
        }
    }
}
```

```

        // Perform save as JPG, if specified
        if (imageGenerationInputs.EnableSaveAsJpeg)
        {
            var jpgImageName = {code}quot;output_{itmCustomSize.Key}x{itmCu

                // Save jpg image per page, per custom size
                renderer.Save(
                    destFileName: jpgImageName,
                    outputFormat: RasterImageFormat.JPEG,
                    pageIndex: pageIndex,
                    width: itmCustomSize.Key,
                    height: itmCustomSize.Value,
                    renderingOptions: renderingOptions
                );

                Console.WriteLine(jpgImageName + " - Generated");
            }
        }

        // Perform save as TIFF, if specified
        if (imageGenerationInputs.EnableSaveAsTiff)
        {
            var tiffImageName = {code}quot;output_{itmCustomSize.Key}x{itmCusto

                // Save tiff image per page, per custom size
                renderer.SaveMultipageTiff(
                    destFileName: tiffImageName,
                    startPageIndex: 0,
                    endPageIndex: renderer.GetPageCount() - 1,
                    width: itmCustomSize.Key,
                    height: itmCustomSize.Value,
                    renderingOptions: renderingOptions);

                Console.WriteLine(tiffImageName + " - Generated");
            }
        }

        // Cleanup
        renderer.Dispose();

        Console.ReadLine();
    }
}

class ImageGenerationInputs
{
    #region Constructor

    public ImageGenerationInputs()
    {
        CustomSizes = new List<KeyValuePair<int, int>>();
        EnableSaveAsPng = true;
    }

    #endregion

    #region Properties

    public List<KeyValuePair<int, int>> CustomSizes { get; set; }
}

```

```
public bool EnableSaveAsPng { get; set; }

public bool EnableSaveAsJpeg { get; set; }

public bool EnableSaveAsTiff { get; set; }

#endregion

#region Methods

public void AddCustomSize(int width, int height)
{
    this.CustomSizes.Add(new KeyValuePair<int, int>(width, height));
}

#endregion
}

}
```

VIDEO

<https://www.youtube.com/watch?v=NEwNs2b9YN8>

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