

How to add watermark to JPEG in ASP.NET using ByteScout Watermarking SDK

This tutorial will show how to add watermark to JPEG in ASP.NET

Learn how to add watermark to JPEG in ASP.NET with this source code sample. ByteScout Watermarking SDK is the library for software developers that can be used to quickly add image watermarking features into your web or desktop applications. Use ready to use presets or create your own to be applied for input PNG, JPG, BMP images. Can customize fonts, text position and rotation if required. It can be used to add watermark to JPEG using ASP.NET.

Fast application programming interfaces of ByteScout Watermarking SDK for ASP.NET plus the instruction and the code below will help you quickly learn how to add watermark to JPEG. Follow the instructions from the scratch to work and copy the ASP.NET code. Detailed tutorials and documentation are available along with installed ByteScout Watermarking SDK if you'd like to dive deeper into the topic and the details of the API.

ByteScout free trial version is available for download from our website. It includes all these programming tutorials along with source code samples.

FOR MORE INFORMATION AND FREE TRIAL:

[Download Free Trial SDK \(on-premise version\)](#)

[Read more about ByteScout Watermarking SDK](#)

[Explore API Documentation](#)

[Get Free Training for ByteScout Watermarking SDK](#)

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

[visit \[www.ByteScout.com\]\(http://www.ByteScout.com\)](#)

Source Code Files:

Default.aspx

```
<%@ Page Title="Home Page" Language="C#" MasterPageFile="~/Site.master" AutoEventWireup="true"
  CodeBehind="Default.aspx.cs" Inherits="HelloWorld._Default" %>

<asp:Content ID="HeaderContent" runat="server" ContentPlaceHolderID="HeadContent">
</asp:Content>
<asp:Content ID="BodyContent" runat="server" ContentPlaceHolderID="MainContent">
  <h2>
    Welcome to ASP.NET!
  </h2>
  <p>
    To learn more about ASP.NET visit <a href="http://www.asp.net" title="ASP.NET Web Forms Home Page">the official ASP.NET website</a>.
  </p>
  <p>
    You can also find <a href="http://go.microsoft.com/fwlink/?LinkID=152368&clcid=0x409" title="MSDN ASP.NET Docs">documentation on ASP.NET at MSDN</a>.
  </p>
</asp:Content>
```

Default.aspx.cs

```
using System;
using System.Drawing;
using System.Web.UI;
using Bytescout.Watermarking;
using Bytescout.Watermarking.Presets;

namespace HelloWorld
{
    public partial class _Default : Page
    {

        /*
        IF YOU SEE TEMPORARY FOLDER ACCESS ERRORS:

        Temporary folder access is required for web application when you use Bytescout Watermarking component.
        If you are getting errors related to the access to temporary folder like "Access to the temporary folder is denied" or "The process cannot access the file because it is being used by another process", please check the following solutions.

        SOLUTION:

        If your IIS Application Pool has "Load User Profile" option enabled then you will need to grant permissions for the temporary folder to the application pool identity.

        If you are running Web Application under an impersonated account or IIS then you will need to grant permissions for the temporary folder to the impersonated user or the IIS worker process.

        In this case
        - check the User or User Group your web application is running under
        - then add permissions for this User or User Group to read and write in the temporary folder.
        */

    }
}
```

```

- restart your web application and try again

*/



protected void Page_Load(object sender, EventArgs e)
{
    // Create Watermarker instance
    Watermarker waterMarker = new Watermarker();

    // Initialize library
    waterMarker.InitLibrary("demo", "demo");

    // Set input file name
    string inputFilePath = MapPath("my_sample_image.jpg");

    // Add image to apply watermarks to
    waterMarker.AddInputFile(inputFilePath);

    // Create watermark
    TextFitsPage preset = new TextFitsPage();
    preset.Text = "Bytescout Watermarking";
    preset.TextColor = Color.Aqua;
    preset.Transparency = 25;

    // Add watermark to Watermarker
    waterMarker.AddWatermark(preset);

    // Clear http output
    Response.Clear();
    // Set the content type to JPEG
    Response.ContentType = "image/jpeg";
    // Add content type header
    Response.AddHeader("Content-Type", "image/jpeg");
    // Set the content disposition
    Response.AddHeader("Content-Disposition", "inline;filename=my_";

    // Set Response.OutputStream as result image destination
    waterMarker.OutputOptions.OutputStream = Response.OutputStream;

    // Execute watermarking
    waterMarker.Execute(0);

    Response.End();
}
}
}

```

Default.aspx.designer.cs

```
//-----
```

```
// <auto-generated>
//   This code was generated by a tool.
//
//   Changes to this file may cause incorrect behavior and will be lost if
//   the code is regenerated.
// </auto-generated>
//-----
namespace HelloWorld
{

    public partial class _Default
    {
    }
}
```

Global.asax.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.Security;
using System.Web.SessionState;

namespace HelloWorld
{
    public class Global : System.Web.HttpApplication
    {

        void Application_Start(object sender, EventArgs e)
        {
            // Code that runs on application startup
        }

        void Application_End(object sender, EventArgs e)
        {
            // Code that runs on application shutdown
        }

        void Application_Error(object sender, EventArgs e)
        {
            // Code that runs when an unhandled error occurs
        }

        void Session_Start(object sender, EventArgs e)
    }
```

```
{  
    // Code that runs when a new session is started  
  
}  
  
void Session_End(object sender, EventArgs e)  
{  
    // Code that runs when a session ends.  
    // Note: The Session_End event is raised only when the session  
    // is set to InProc in the Web.config file. If session mode is  
    // or SQLServer, the event is not raised.  
  
}  
  
}  
}
```

HelloWorld.sln

```
Microsoft Visual Studio Solution File, Format Version 11.00  
# Visual Studio 2010  
Project("{FAE04EC0-301F-11D3-BF4B-00C04F79EFBC}") = "HelloWorld", "HelloWorld.csproj",  
EndProject  
Global  
    GlobalSection(SolutionConfigurationPlatforms) = preSolution  
        Debug|Any CPU = Debug|Any CPU  
        Release|Any CPU = Release|Any CPU  
    EndGlobalSection  
    GlobalSection(ProjectConfigurationPlatforms) = postSolution  
        {093FF804-2B76-4771-9F40-505B76ED3CAE}.Debug|Any CPU.ActiveCfg = Debug  
        {093FF804-2B76-4771-9F40-505B76ED3CAE}.Debug|Any CPU.Build.0 = Debug|Any  
        {093FF804-2B76-4771-9F40-505B76ED3CAE}.Release|Any CPU.ActiveCfg = Release  
        {093FF804-2B76-4771-9F40-505B76ED3CAE}.Release|Any CPU.Build.0 = Release  
    EndGlobalSection  
    GlobalSection(SolutionProperties) = preSolution  
        HideSolutionNode = FALSE  
    EndGlobalSection  
EndGlobal
```

Site.Master.cs

```
using System;
using System.Collections.Generic;
using System.Linq;
using System.Web;
using System.Web.UI;
using System.Web.UI.WebControls;

namespace HelloWorld
{
    public partial class SiteMaster : System.Web.UI.MasterPage
    {
        protected void Page_Load(object sender, EventArgs e)
        {

        }
    }
}
```

Site.Master.designer.cs

```
//------------------------------------------------------------------------------
// <auto-generated>
//   This code was generated by a tool.
//
//   Changes to this file may cause incorrect behavior and will be lost if
//   the code is regenerated.
// </auto-generated>
//------------------------------------------------------------------------------

namespace HelloWorld
{

    public partial class SiteMaster
    {

        /// <summary>
        /// HeadContent control.
        /// </summary>
        /// <remarks>
        /// Auto-generated field.
        /// To modify move field declaration from designer file to code-behind
        /// </remarks>
        protected global::System.Web.UI.WebControls.ContentPlaceHolder HeadCon

        /// <summary>
        /// MasterPageScriptManager control.
        /// </summary>
        /// <remarks>
```

```

    /// Auto-generated field.
    /// To modify move field declaration from designer file to code-behind
    /// </remarks>
protected global::System.Web.UI.ScriptManager MasterPageScriptManager;

    /// <summary>
    /// HeadLoginView control.
    /// </summary>
    /// <remarks>
    /// Auto-generated field.
    /// To modify move field declaration from designer file to code-behind
    /// </remarks>
protected global::System.Web.UI.WebControls.LoginView HeadLoginView;

    /// <summary>
    /// HeadHomeLink control.
    /// </summary>
    /// <remarks>
    /// Auto-generated field.
    /// To modify move field declaration from designer file to code-behind
    /// </remarks>
protected global::System.Web.UI.HtmlControls.HtmlAnchor HeadHomeLink;

    /// <summary>
    /// HeadAboutLink control.
    /// </summary>
    /// <remarks>
    /// Auto-generated field.
    /// To modify move field declaration from designer file to code-behind
    /// </remarks>
protected global::System.Web.UI.HtmlControls.HtmlAnchor HeadAboutLink;

    /// <summary>
    /// MainContent control.
    /// </summary>
    /// <remarks>
    /// Auto-generated field.
    /// To modify move field declaration from designer file to code-behind
    /// </remarks>
protected global::System.Web.UI.WebControls.ContentPlaceHolder MainCont
}

}

```

Web.Debug.config

```

<?xml version="1.0"?>

<!-- For more information on using web.config transformation visit http://go.microsoft.com/fwlink/?LinkId=212329 -->
<configuration xmlns:xdt="http://schemas.microsoft.com/XML-Document-Transform">

```

```

<!--
In the example below, the "SetAttributes" transform will change the value of
"connectionString" to use "ReleaseSQLServer" only when the "Match" locator
finds an attribute "name" that has a value of "MyDB".

<connectionStrings>
  <add name="MyDB"
    connectionString="Data Source=ReleaseSQLServer;Initial Catalog=MyReleaseDB;Inte
      xdt:Transform="SetAttributes" xdt:Locator="Match(name)"/>
</connectionStrings>
-->
<system.web>
<!--
  In the example below, the "Replace" transform will replace the entire
  <customErrors> section of your web.config file.
  Note that because there is only one customErrors section under the
  <system.web> node, there is no need to use the "xdt:Locator" attribute.

  <customErrors defaultRedirect="GenericError.htm"
    mode="RemoteOnly" xdt:Transform="Replace">
    <error statusCode="500" redirect="InternalError.htm"/>
  </customErrors>
-->
</system.web>
</configuration>

```

Web.Release.config

```

<?xml version="1.0"?>

<!-- For more information on using web.config transformation visit http://go.microsoft.com/fwlink/?LinkId=212329 -->

<configuration xmlns:xdt="http://schemas.microsoft.com/XML-Document-Transform">
<!--
  In the example below, the "SetAttributes" transform will change the value of
  "connectionString" to use "ReleaseSQLServer" only when the "Match" locator
  finds an attribute "name" that has a value of "MyDB".

  <connectionStrings>
    <add name="MyDB"
      connectionString="Data Source=ReleaseSQLServer;Initial Catalog=MyReleaseDB;Inte
        xdt:Transform="SetAttributes" xdt:Locator="Match(name)"/>
  </connectionStrings>
-->
<system.web>
  <compilation xdt:Transform="RemoveAttributes(debug)" />
<!--
  In the example below, the "Replace" transform will replace the entire
  <customErrors> section of your web.config file.
  Note that because there is only one customErrors section under the
  <system.web> node, there is no need to use the "xdt:Locator" attribute.
-->

```

```
<customErrors defaultRedirect="GenericError.htm"
    mode="RemoteOnly" xdt:Transform="Replace">
    <error statusCode="500" redirect="InternalError.htm"/>
</customErrors>
-->
</system.web>
</configuration>
```

Web.config

```
<?xml version="1.0"?>

<!--
  For more information on how to configure your ASP.NET application, please visit
  http://go.microsoft.com/fwlink/?LinkId=169433
-->

<configuration>
    <connectionStrings>
        <add name="ApplicationServices"
            connectionString="data source=.\SQLEXPRESS;Integrated Security=SSPI;AttachDBFile=;providerName="System.Data.SqlClient" />
    </connectionStrings>

    <system.web>
        <compilation debug="true" targetFramework="4.0" />

        <authentication mode="Forms">
            <forms loginUrl="~/Account/Login.aspx" timeout="2880" />
        </authentication>

        <membership>
            <providers>
                <clear/>
                <add name="AspNetSqlMembershipProvider" type="System.Web.Security.SqlMembershipProvider"
                    enablePasswordRetrieval="false" enablePasswordReset="true" requiresQuestionAndAnswer="true"
                    maxInvalidPasswordAttempts="5" minRequiredPasswordLength="6" minRequiredNonalphanumericCharacters="1"
                    applicationName="/" />
            </providers>
        </membership>

        <profile>
            <providers>
                <clear/>
                <add name="AspNetSqlProfileProvider" type="System.Web.Profile.SqlProfileProvider" />
            </providers>
        </profile>

        <roleManager enabled="false">
            <providers>
```

```
<clear/>
<add name="AspNetSqlRoleProvider" type="System.Web.Security.SqlRoleProvider" co
    <add name="AspNetWindowsTokenRoleProvider" type="System.Web.Security.WindowsTo
</providers>
</roleManager>

</system.web>

<system.webServer>
    <modules runAllManagedModulesForAllRequests="true"/>
</system.webServer>
</configuration>
```

VIDEO

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

ON-PREMISE OFFLINE SDK

[60 Day Free Trial](#) or [Visit ByteScout Watermarking SDK Home Page](#)
[Explore ByteScout Watermarking SDK Documentation](#)
[Explore Samples](#)
[Sign Up for ByteScout Watermarking SDK Online Training](#)

ON-DEMAND REST WEB API

[Get Your API Key](#)
[Explore Web API Docs](#)
[Explore Web API Samples](#)

[visit www.ByteScout.com](#)

[visit www.PDF.co](#)

[www.bytescout.com](#)