

How to display barcode on form in C# using ByteScout Barcode SDK

The tutorial below will demonstrate how to display barcode on form in C#

Display barcode on form is easy to implement in C# if you use these source codes below. ByteScout Barcode SDK can display barcode on form. It can be used from C#. ByteScout Barcode SDK is the robust SDK that generates high quality barcode images and pdf. Can generate all popular types of barcodes from QR Code, Code 39, Code 128, UPC, GS1, GS-128, PDF417, Datamatrix to more exotic barcode types. Fully customizable fonts, colors, print sizes. Includes special functions to ensure output quality, and tools for adding barcodes to new or existing pdf files and images.

Fast application programming interfaces of ByteScout Barcode SDK for C# plus the instruction and the code below will help you quickly learn how to display barcode on form. In your C# project or application you may simply copy & paste the code and then run your app! This basic programming language sample code for C# will do the whole work for you to display barcode on form.

Download free trial version of ByteScout Barcode SDK from our website with this and other source code samples for C#.

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Source Code Files:

```

namespace DisplayBarcodeOnForm
{
    partial class Form1
    {
        /// <summary>
        /// Required designer variable.
        /// </summary>
        private System.ComponentModel.IContainer components = null;

        /// <summary>
        /// Clean up any resources being used.
        /// </summary>
        /// <param name="disposing">true if managed resources should be disposed; otherwise, false; otherwise, false if disposing is true.
        protected override void Dispose(bool disposing)
        {
            if (disposing && (components != null))
            {
                components.Dispose();
            }
            base.Dispose(disposing);
        }

        #region Windows Form Designer generated code

        /// <summary>
        /// Required method for Designer support - do not modify
        /// the contents of this method with the code editor.
        /// </summary>
        private void InitializeComponent()
        {
            this.pictureBox1 = new System.Windows.Forms.PictureBox();
            this.panel1 = new System.Windows.Forms.Panel();
            this.label1 = new System.Windows.Forms.Label();
            this.label2 = new System.Windows.Forms.Label();
            ((System.ComponentModel.ISupportInitialize)(this.pictureBox1)).BeginInit();
            this.SuspendLayout();
            //
            // pictureBox1
            //
            this.pictureBox1.BorderStyle = System.Windows.Forms.BorderStyle.FixedSingle;
            this.pictureBox1.Location = new System.Drawing.Point(12, 36);
            this.pictureBox1.Name = "pictureBox1";
            this.pictureBox1.Size = new System.Drawing.Size(270, 270);
            this.pictureBox1.TabIndex = 0;
            this.pictureBox1.TabStop = false;
            //
            // panel1
            //
            this.panel1.BorderStyle = System.Windows.Forms.BorderStyle.FixedSingle;
            this.panel1.Location = new System.Drawing.Point(314, 36);
            this.panel1.Name = "panel1";
            this.panel1.Size = new System.Drawing.Size(270, 270);
            this.panel1.TabIndex = 1;
            this.panel1.Paint += new System.Windows.Forms.PaintEventHandler(this.panel1_Paint);
            //
        }
    }
}

```

```

        // label1
        //
        this.label1.AutoSize = true;
        this.label1.Location = new System.Drawing.Point(12, 9);
        this.label1.Name = "label1";
        this.label1.Size = new System.Drawing.Size(179, 13);
        this.label1.TabIndex = 2;
        this.label1.Text = "Show barcode in PictureBox control:";
        //
        // label2
        //
        this.label2.AutoSize = true;
        this.label2.Location = new System.Drawing.Point(311, 9);
        this.label2.Name = "label2";
        this.label2.Size = new System.Drawing.Size(157, 13);
        this.label2.TabIndex = 3;
        this.label2.Text = "Draw barcode on Panel control:";
        //
        // Form1
        //
        this.AutoScaleDimensions = new System.Drawing.SizeF(6F, 13F);
        this.AutoScaleMode = System.Windows.Forms.AutoScaleMode.Font;
        this.ClientSize = new System.Drawing.Size(599, 349);
        this.Controls.Add(this.label2);
        this.Controls.Add(this.label1);
        this.Controls.Add(this.panel1);
        this.Controls.Add(this.pictureBox1);
        this.Name = "Form1";
        this.Text = "Form1";
        ((System.ComponentModel.ISupportInitialize)(this.pictureBox1)).EndInit();
        this.ResumeLayout(false);
        this.PerformLayout();

    }

    #endregion

    private System.Windows.Forms.PictureBox pictureBox1;
    private System.Windows.Forms.Panel panel1;
    private System.Windows.Forms.Label label1;
    private System.Windows.Forms.Label label2;
}
}

```

Form1.cs

```

using System.Drawing;
using System.Windows.Forms;
using Bytescout.BarCode;

```

```

// This application demonstrates two ways how you can show the barcode on a form:
// 1. using PictureBox control;
// 2. painting it on a Panel control.
namespace DisplayBarcodeOnForm
{
    public partial class Form1 : Form
    {
        private Barcode _barcode = null;

        public Form1()
        {
            InitializeComponent();

            // Create Barcode Generator instance
            _barcode = new Barcode();
            _barcode.RegistrationName = "demo";
            _barcode.RegistrationKey = "demo";

            // Setup barcode
            _barcode.Symbology = SymbologyType.QRCode;
            _barcode.Value = "Testing Testing Testing Testing Testing Testing Testing Testing";

            // Put the barcode image to PictureBox
            pictureBox1.Image = _barcode.GetImage();
        }

        // Paint the barcode image on a Panel control
        private void panel1_Paint(object sender, PaintEventArgs e)
        {
            Image barcodeImage = _barcode.GetImage();

            e.Graphics.DrawImage(barcodeImage, 0, 0);
        }
    }
}

```

Program.cs

```

using System;
using System.Collections.Generic;
using System.Windows.Forms;

namespace DisplayBarcodeOnForm
{
    static class Program
    {
        /// <summary>
        /// The main entry point for the application.
        /// </summary>
    }
}

```

```
[STAThread]
static void Main()
{
    Application.EnableVisualStyles();
    Application.SetCompatibleTextRenderingDefault(false);
    Application.Run(new Form1());
}
}
```

VIDEO

<https://www.youtube.com/watch?v=REnj3A-oSPI>

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