

# Thumbnail Image

```
using System;
using System.Drawing;
using System.Windows.Forms;

class Thumbnail: Form
{
    const int iSquare = 64;
    Image imageThumbnail;

    public static void Main()
    {
        Application.Run(new Thumbnail());
    }
    public Thumbnail()
    {
        Text = "Thumbnail";
        ResizeRedraw = true;
        Image image = Image.FromFile("Color.jpg");

        int cxThumbnail, cyThumbnail;

        if (image.Width > image.Height)
        {
            cxThumbnail = iSquare;
            cyThumbnail = iSquare * image.Height / image.Width;
        }
        else
        {
            cyThumbnail = iSquare;
            cxThumbnail = iSquare * image.Width / image.Height;
        }
        imageThumbnail = image.GetThumbnailImage(cxThumbnail,
            cyThumbnail,
            null, (IntPtr) 0);
    }
}
```

```
protected override void OnPaint(PaintEventArgs pea)
{
DoPage(pea.Graphics,          ForeColor, ClientSize.Width,
ClientSize.Height);
}
protected void DoPage(Graphics grfx, Color clr, int cx, int
cy)
{
for (int y = 0; y < cy; y += iSquare){ for (int x = 0; x < cx;
x += iSquare) grfx.DrawImage(imageThumbnail, x + (iSquare -
imageThumbnail.Width) / 2, y + (iSquare -
imageThumbnail.Height) / 2, imageThumbnail.Width,
imageThumbnail.Height); } } } [/csharp]
```