**ASP.NET: пример построения круговой диаграммы**

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Ниже будет показано, как можно в ASP.NET приложении, используя графические методы GDI+, нарисовать круговую диаграмму. Это может быть полезно, например, для наглядного представления данных.

Файл pie.aspx (написан на VB.NET):

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| <%@ Page Language="VB" ContentType="image/jpeg" %>  <%@ Import Namespace="System.Drawing" %>  <%@ Import Namespace="System.Drawing.Imaging" %>  <%@ Import Namespace="System.Drawing.Drawing2D" %>  <%  Response.Clear()  Dim height As Integer = 200  Dim width As Integer = 320  Dim x As Integer  Dim i As Integer  Dim start\_angle As Integer  Dim pie\_size As Integer  Dim sub\_total As Integer  Dim offset As Integer  Dim diameter As Integer  Dim arrData() As Integer = {75, 45, 19, 10, 55} ' значения  Dim arrProcent(4) As Integer  Dim total As Integer  Dim arrColor() As Object = {Color.Salmon, Color.SeaGreen, Color.Gold, Color.Maroon, Color.Orchid}  Dim arrTitle() As String = {"Пункт1", "Пункт2", "Пункт3", "Пункт4", "Пункт5"}  Dim rect As Object  sub\_total = 0  start\_angle = 0  offset = 20  diameter = 170  total = 0  Dim bmp As New Bitmap(width, height, PixelFormat.Format32bppArgb)  Dim g as Graphics = Graphics.FromImage(bmp)  Dim fnt As New Font("Arial", 8)  Dim sb As New SolidBrush(Color.Blue)  g.Clear(Color.White)  g.SmoothingMode = SmoothingMode.HighQuality  ' сумма значений в массиве  For i = 0 To arrData.GetUpperBound(0)  total = total + arrData(i)  Next  ' проценты  For i = 0 To arrData.GetUpperBound(0)  arrProcent(i) = Math.Round((arrData(i)/total)\*100)  Next  For i = 0 To arrProcent.GetUpperBound(0)  sub\_total = sub\_total + arrProcent(i)  pie\_size = sub\_total\*360 / 100 - start\_angle  g.FillPie(New SolidBrush(arrColor(i)), offset, offset, diameter, diameter, start\_angle, pie\_size)  start\_angle = start\_angle + pie\_size  rect = New Rectangle(offset + diameter + 10, offset + i\*20, 15, 15)  g.FillRectangle(New SolidBrush(arrColor(i)), rect)  g.DrawString(arrTitle(i) & " - [" & arrProcent(i) & "%]", fnt, sb, offset + diameter + 10 + 20, offset + i\*20)  Next  bmp.Save(Response.OutputStream, ImageFormat.Jpeg)  g.Dispose()  bmp.Dispose()  Response.End()  %> |

Результат работы скрипта:

