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Modern UI (Metro) Charts for Windows 8, WPF, Silverlight

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» How to use the chart in your application
» How to configure the appearance
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How to use the charts in your application

1. Add a reference to De.TorstenMandelkow.MetroChart.dll to your project
2. Add the following xaml code to your resource dictionary (e.g. Generic.xaml)

```xml
<ResourceDictionary
    ...
    xmlns:chart="clr-
namespace:De.TorstenMandelkow.MetroChart;assembly=De.TorstenMandelkow.MetroChart" >
    <!-- for windows 8 it is different:
xmlns:chart="using:De.TorstenMandelkow.MetroChart" -->
    ...
    <Style x:Key="MinimalChartStyle" TargetType="chart:ChartBase">
        <Setter Property="Width" Value="500"/>
        <Setter Property="Height" Value="500"/>
    </Style>
    ...

</ResourceDictionary>
```

3. Add the following xaml code to your page or window to embed the chart

```xml
<Page
    ...
    xmlns:chart="clr-
namespace:De.TorstenMandelkow.MetroChart;assembly=De.TorstenMandelkow.MetroChart" >
    <!-- for windows 8 it is different:
xmlns:chart="using:De.TorstenMandelkow.MetroChart" -->
    ...
    <chart:PieChart
        Style="{StaticResource MinimalChartStyle}"
        ChartTitle="Minimal Pie Chart"
        ChartSubTitle="Chart with fixed width and height"
        SelectedItem="{Binding Path=SelectedItem, Mode=TwoWay}" >
        <chart:PieChart.Series>
            <chart:ChartSeries
                SeriesTitle="Errors"
                DisplayMember="Category"
                ValueMember="Number"
                ItemsSource="{Binding Path=Errors}" />
        </chart:PieChart.Series>
    </chart:PieChart>
```

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SYSTEM REQUIREMENTS

There are currently no defined requirements.

```
        ...
</Page>
```

4. Add the data to your code and bind it to the chart

```csharp
namespace TestApplication
{
    // bind this view model to your page or window (DataContext)
    public class TestPageViewModel
    {
        public ObservableCollection<TestClass> Errors { get; private set; }

        public TestPageViewModel()
        {
            Errors = new ObservableCollection<TestClass>();
            Errors.Add(new TestClass() { Category = "Globalization", Number = 75 });
            Errors.Add(new TestClass() { Category = "Features", Number = 2 });
            Errors.Add(new TestClass() { Category = "ContentTypes", Number = 12 });
            Errors.Add(new TestClass() { Category = "Correctness", Number = 83});
            Errors.Add(new TestClass() { Category = "Best Practices", Number = 29 });
        }

        private object selectedItem = null;
        public object SelectedItem
        {
            get
            {
                return selectedItem;
            }
            set
            {
                // selected item has changed
                selectedItem = value;
            }
        }
    }

    // class which represent a data point in the chart
    public class TestClass
    {
        public string Category { get; set; }

        public int Number  { get; set; }
    }
}
```
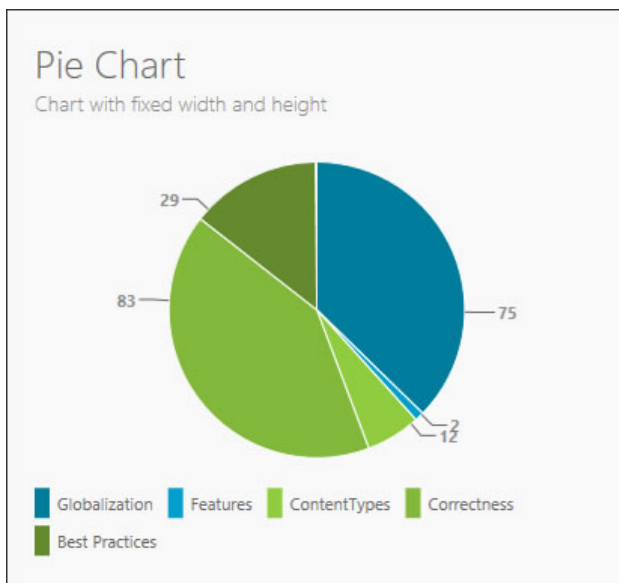
Result

Last edited May 6, 2013 at 10:18 AM by torman119, version 29

COMMENTS

Danny_Chen Nov 14, 2015 at 10:27 AM
I've added the dll to my project and it says it can't find the TargetType="chart:ChartBase">

Can you please tell me what I'm doing wrong?

Thanks

Archistico May 9, 2015 at 1:55 PM
I have this error:
"System.Windows.Data Error: 40 : BindingExpression path error: 'ChartLegendItemStyle' property not found on
'object' ''ContentPresenter' (Name='')'. BindingExpression:Path=ChartLegendItemStyle;
DataItem='ContentPresenter' (Name=''); target element is 'ChartLegendItem' (Name=''); target property is
'Style' (type 'Style')" ?

bkboggy Nov 13, 2014 at 5:04 PM
Has anyone created a scatter chart with this?

vaclavdostal Jun 4, 2014 at 12:27 PM
public ObservableCollection<TestClass> Errors { get; private set; }

missing directive using or link to assembly.
what shall I do?

NESTicle Feb 6, 2014 at 3:40 PM
Im getting this error :c

The type 'PieChart' was not found because 'clr-namespace:De.TorstenMandelkow.MetroChart;assembly=De.To
rstenMandelkow.MetroChart' is an unknown namespace. [Line: 12 Position: 76]

abiramir Nov 14, 2013 at 1:25 PM
Instead we can create a ResourceDictionary Collection of colors and assign this Palette property of the chart.

Ex:

CREATING RESOURCE DICTIONARY

```
<chart:ResourceDictionaryCollection x:Key="MyColorPalette">
<ResourceDictionary>
<SolidColorBrush x:Key="Brush1" Color="#FFFF2900" />
</ResourceDictionary>
<ResourceDictionary>
<SolidColorBrush x:Key="Brush2" Color="#FF1D97E3" />
</ResourceDictionary>
</chart:ResourceDictionaryCollection>
```

APPLYING PALETTE STYLE

```
<chart:PieChart x:Name="MyPieChart" Foreground="Black" Background="{x:Null}" Height="400" Width="500"
Palette="{StaticResource MyColorPalette}"/>
```

govindk22 Nov 11, 2013 at 10:38 PM
Hi, Thanks for the wonderful chart and it looks good. Is there a way we can change the color of Pie/Stack chart
bars ?

And also binding the datacontext on the XAML doesn't work for some sort types StackedBar is not working
and PieChart seems to be working.
```
<Window.DataContext>
<Binding Source="{StaticResource ViewModel}"/>
</Window.DataContext>
```

ViDom Oct 29, 2013 at 8:16 PM

How can i bind own colors?

```
<chart:PieChart
<chart:PieChart.Series>
<chart:ChartSeries
DisplayMember="Category"
ValueMember="Number"
Background="{Binding MyColor}"
ItemsSource="{Binding Path=Errors}" />
</chart:PieChart.Series>
</chart:PieChart>

public class TestClass
{
public string Category { get; set; }
public int Number { get; set; }
public string MyColor { get; set; }
}
```

azuzard Sep 26, 2013 at 9:57 AM
igrali, you can use

this.DataContext = this;

fadifamous May 12, 2013 at 12:05 AM
I am facing the same problem as igrali
I double checked the binding works for a gridview but not for the char , thanks a lot for your efforts

igrali May 10, 2013 at 5:14 PM
I can't get this one to work/show. Everything builds, runs, but no charts are shown. Am I missing something?
The only thing I changed was the name of the view model (MainViewModel instead of TestPageViewModel)

I did the binding to datacontext using:

this.DataContext = new MainViewModel();

in the page constructor.

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