XChart

XChart is a powerful radar chart component for App Inventor that allows you to create interactive and customizable radar/spider charts. Features include customizable colors, animations, shapes, labels, and click events. Developed by th using Fast.

Events:

Click



Triggered when the radar chart is clicked.

PointClick



Triggered when a data point is clicked.

Parameter	Туре
index	number

AnimationStart



Triggered when the chart animation starts.

AnimationEnd



Triggered when the chart animation ends.

DataChanged



Triggered when the chart data is updated.

TitleClick





Triggered when a title is clicked.

Parameter	Туре
index	number

RegionClick



Triggered when a region is clicked.

Parameter	Туре
index	number

Methods:

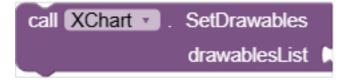
Create



Creates a radar chart inside the specified arrangement. The arrangement must be a HorizontalArrangement or VerticalArrangement component.

Parameter	Туре
arrangement	component

SetDrawables



Adds icon drawables to each vertex of the radar chart. Provide a list of drawable resource IDs.

Parameter	Туре
drawablesList	list

SetRegionShaderConfig



positionsList |

Configures a custom gradient shader for regions. Provide lists of colors and position values (0.0-1.0).

Parameter	Туре
colorsList	list
positionsList	list

Properties:

SetPercents

```
set XChart . SetPercents . to
```

Sets the values for each data point as percentages between 0.0 and 1.0. The list length must match the number of sides.

SetTitles

```
set XChart . SetTitles . to .
```

Sets the label text for each vertex of the radar chart. The list length must match the number of sides.

SetValues

```
set XChart . SetValues . to .
```

Sets additional text values to display below each title. Useful for showing exact numbers or labels.

SetColors

```
set XChart . SetColors to
```

Sets custom colors for each region of the radar chart. Provide a list of color values in decimal format.

SetCount

```
set XChart . SetCount to
```

Sets the number of vertices (sides) for the radar chart. This determines how many data points can be displayed.

SetLayerCount

```
set XChart . SetLayerCount to
```

Sets the number of concentric layers in the radar chart background. These create the grid effect.

SetDrawableSize



Sets the size of the icon drawables in pixels at each vertex.

SetDrawablePadding

```
set XChart . SetDrawablePadding to
```

Sets the padding between icon drawables and their labels in pixels.

SetDescPadding

```
set XChart . SetDescPadding to
```

Sets the padding for descriptions/labels around the chart in pixels.

SetTitleSize

```
set XChart . SetTitleSize . to .
```

Sets the font size for vertex titles in pixels.

SetDataSize

```
set XChart . SetDataSize . to .
```

Sets the font size for data values in pixels.

SetRadarPercent

```
set XChart . SetRadarPercent . to
```

Sets the size of the radar chart relative to its container (0.0-1.0). Example: 0.8 means 80% of container size.

SetStartColor

```
set XChart . SetStartColor . to
```

Sets the starting color for gradient effects. Use decimal color values.

SetEndColor 5 2 2

```
set XChart . SetEndColor to
```

Sets the ending color for gradient effects. Use decimal color values.

SetEnabledAnimation

```
set XChart . SetEnabledAnimation . to
```

Enables or disables animation effects when the chart updates.

SetEnabledShowPoint



Enables or disables the display of points at each vertex of the chart.

SetCobwebColor



Sets the color of the background grid lines (cobweb). Use decimal color values.

SetLineColor

```
set XChart . SetLineColor to
```

Sets the color of the data lines that connect the vertices. Use decimal color values.

SetDataColor



Sets the color of the data value text. Use decimal color values.

SetTitleColor

```
set XChart . SetTitleColor . to
```

Sets the color of the title text at each vertex. Use decimal color values.

SetPointColor

```
set XChart . SetPointColor to
```

Sets the color of the vertex points. Use decimal color values.

SetPointRadius

```
set XChart . SetPointRadius . to
```

Sets the radius of the vertex points in pixels.

SetEnabledBorder

```
set XChart ▼ . SetEnabledBorder ▼ to □
```

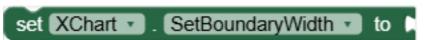
Enables or disables the border around the entire chart.

SetBorderColor



Sets the color of the chart's border. Use decimal color values.

SetBoundaryWidth



Sets the width of the chart's border in pixels.

SetEnabledPolygon

```
set XChart . SetEnabledPolygon to
```

Enables or disables the polygon shape connecting the data points.

SetCircle

```
set XChart . SetCircle . to
```

Sets whether the chart should be circular (true) or polygonal (false).

SetEnabledShade

```
set XChart . SetEnabledShade . to
```

Enables or disables the shading effect inside the data polygon.

SetEnabledRadius

```
set XChart . SetEnabledRadius . to .
```

Enables or disables the lines extending from the center to each vertex.


```
set XChart . SetEnabledText to N
```

Enables or disables all text labels (titles and values).

SetSingleColor

```
set XChart . SetSingleColor to
```

Sets a single color for all regions of the chart. Use decimal color values.

SetEnabledRegionShader

```
set XChart . SetEnabledRegionShader . to .
```

Enables or disables the custom gradient shader effect for regions.

LoadAnimation



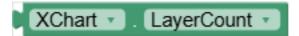
Reloads the chart with or without animation effects.

Count



Gets the current number of vertices (sides) in the radar chart.

LayerCount



Gets the current number of concentric layers in the chart.

DrawableSize



Gets the current drawable size in pixels.

DrawablePadding



Gets the current drawable padding in pixels.

DescPadding



Gets the current description padding in pixels.

TitleSize

```
XChart . TitleSize .
```

Gets the current title text size in pixels.

DataSize



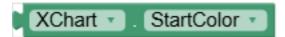
Gets the current data text size in pixels.

RadarPercent

```
XChart RadarPercent
```

Gets the current radar chart size percentage (0.0-1.0).

StartColor



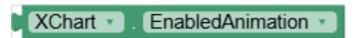
Gets the current start color value.

EndColor



Gets the current end color value.

EnabledAnimation



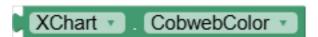
Checks if animation is currently enabled.

EnabledShowPoint



Checks if points are currently shown.

CobwebColor



Gets the current cobweb color value.

LineColor



Gets the current line color value.

DataColor



Gets the current data color value.

TitleColor



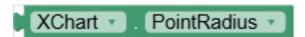
Gets the current title color value.

PointColor



Gets the current point color value.

PointRadius



Gets the current point radius in pixels.

EnabledBorder



Checks if border is currently enabled.

BorderColor

XChart . BorderColor

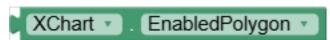
Gets the current border color value.

BoundaryWidth



Gets the current boundary width in pixels.

EnabledPolygon



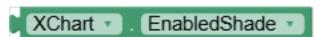
Checks if polygon is currently enabled.

Circle



Checks if circular shape is currently enabled.

EnabledShade



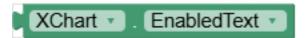
Checks if shade effect is currently enabled.

EnabledRadius



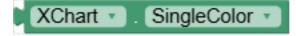
Checks if radius lines are currently enabled.

EnabledText



Checks if text labels are currently enabled.

SingleColor



Gets the current single color value.