

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

when XChart . Click

do

Triggered when the radar chart is clicked.

PointClick

when XChart . PointClick

index

do

Triggered when a data point is clicked.

Parameter	Type
index	number

AnimationStart

when XChart . AnimationStart

do

Triggered when the chart animation starts.

AnimationEnd

when XChart . AnimationEnd

do

Triggered when the chart animation ends.

DataChanged

when XChart . DataChanged

do

Triggered when the chart data is updated.

TitleClick

when XChart . TitleClick

index

```
when XChart . TitleClick
  index
do
```

Triggered when a title is clicked.

Parameter	Type
index	number

RegionClick

```
when XChart . RegionClick
  index
do
```

Triggered when a region is clicked.

Parameter	Type
index	number

Methods:

Create

```
call XChart . Create
  arrangement
```

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

Parameter	Type
arrangement	component

SetDrawables

```
call XChart . SetDrawables
  drawablesList
```

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

Parameter	Type
drawablesList	list

SetRegionShaderConfig

```
call XChart . SetRegionShaderConfig
  colorsList
```

positionsList ▶

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

Parameter	Type
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

set XChart . SetDrawableSize to ▶

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

```
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

```
set XChart . SetEnabledShowPoint to ▶
```

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

SetCobwebColor

```
set XChart . SetCobwebColor to
```

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

```
set XChart . SetDataColor to
```

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

```
set XChart . SetBorderColor to
```

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

SetBoundaryWidth

```
set XChart . SetBoundaryWidth to
```


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.

SetEnabledText

set XChart . SetEnabledText to

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

set XChart . LoadAnimation to

Reloads the chart with or without animation effects.

Count

XChart . Count

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

LayerCount

XChart . LayerCount

Gets the current number of concentric layers in the chart.

DrawableSize

XChart . DrawableSize

Gets the current drawable size in pixels.

DrawablePadding

XChart . DrawablePadding

Gets the current drawable padding in pixels.

DescPadding

XChart . DescPadding

Gets the current description padding in pixels.

TitleSize

XChart . TitleSize

Gets the current title text size in pixels.

DataSize

XChart . DataSize

Gets the current data text size in pixels.

RadarPercent

XChart . RadarPercent

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

StartColor

XChart . StartColor

Gets the current start color value.

EndColor

XChart . EndColor

Gets the current end color value.

EnabledAnimation

XChart

EnabledAnimation

Checks if animation is currently enabled.

EnabledShowPoint

XChart

EnabledShowPoint

Checks if points are currently shown.

CobwebColor

XChart

CobwebColor

Gets the current cobweb color value.

LineColor

XChart

LineColor

Gets the current line color value.

DataColor

XChart

DataColor

Gets the current data color value.

TitleColor

XChart

TitleColor

Gets the current title color value.

PointColor

XChart

PointColor

Gets the current point color value.

PointRadius

XChart

PointRadius

Gets the current point radius in pixels.

EnabledBorder

XChart

EnabledBorder

Checks if border is currently enabled.

BorderColor

BorderColor

XChart . BorderColor

Gets the current border color value.

BoundaryWidth

XChart . BoundaryWidth

Gets the current boundary width in pixels.

EnabledPolygon

XChart . EnabledPolygon

Checks if polygon is currently enabled.

Circle

XChart . Circle

Checks if circular shape is currently enabled.

EnabledShade

XChart . EnabledShade

Checks if shade effect is currently enabled.

EnabledRadius

XChart . EnabledRadius

Checks if radius lines are currently enabled.

EnabledText

XChart . EnabledText

Checks if text labels are currently enabled.

SingleColor

XChart . SingleColor

Gets the current single color value.