



GraphView - open source graph plotting library for Android

GraphView is a library for Android to programmatically create flexible and nice-looking diagrams.

It is **easy** to understand, to integrate and to customize.

Create Line Graphs, Bar Graphs, Point Graphs
or implement your own custom types.



Star GraphView on GitHub

1,859

Realtime plotting with zooming | Android GraphView 4...



XML Layout file:

```
<com.jjoe64.graphview.GraphView
    android:layout_width="match_parent"
    android:layout_height="200dip"
    android:id="@+id/graph" />
```

Java code:

```
GraphView graph = (GraphView) findViewById(R.id.graph);
LineGraphSeries<DataPoint> series = new LineGraphSeries<>(new DataPoint[] {
    new DataPoint(0, 1),
    new DataPoint(1, 5),
    new DataPoint(2, 3)
});
graph.addSeries(series);
```

[More examples \(/showcase\)](/showcase)

Key features

■ Different plotting types

Line Chart, Bar Chart and Points Chart

and they can be plotted together as a **combination**. learn more (<http://www.android-graphview.org/mix-up-chart-types/>)

■ Draw multiple series of data

Let the diagram show more than one series in a graph. You can set a color and a description for every series. learn more (<http://www.android-graphview.org/mix-up-chart-types/>)

■ Realtime / Live Chart

Append new data live or reset the whole data. learn more (<http://www.android-graphview.org/realtime-chart/>)

■ Secondary Scale learn more (<http://www.android-graphview.org/secondary-scale-axis/>)

■ Tap Listener

Handle tap events on specific data points. learn more (<http://www.android-graphview.org/tap-listener-on-data/>)

■ Show legend

A legend can be displayed inline the chart. You can set the width and the vertical align (top, middle, bottom). learn more (<http://www.android-graphview.org/legend/>)

■ Custom label formatter

The labels for the x- and y-axis are generated automatically. But you can set your own labels, Strings are possible. learn more (<http://www.android-graphview.org/labels-and-label-formatter/>)

■ Handle incomplete data

It's possible to give the data in different frequency.

■ Viewport

You can limit the viewport so that only a part of the data will be displayed. learn more (<http://www.android-graphview.org/basics-of-graphview/>)

■ Scrolling and Scaling / Zooming

You can scroll with a finger touch move gesture.

With two-fingers touch scale gesture (Multi-touch), the viewport can be changed. learn more (<http://www.android-graphview.org/zooming-and-scrolling/>)

■ **XML Integration** learn more (<http://www.android-graphview.org/create-graph-via-xml/>)

■ Optional Axis Titles

Set vertical and horizontal axis titles. learn more (<http://www.android-graphview.org/style-options/>)

■ Many Styles

change the color and thickness, label font size/color and more learn more (<http://www.android-graphview.org/style-options/>)

■ Very customizable

There are many hooks to use in order to do custom rendering or changing the paint objects. learn more (<http://www.android-graphview.org/style-options/>)

■ .. and many more

■ Take a look at the GraphView-Demo (https://play.google.com/store/apps/details?id=com.jjoe64.graphview_demos) project.

“ I wanted first to thank you for your awesome library! I've tried 4-5 of them but only GraphView could display multiple graphs consistently, with dates on the X axis. Great stuff.

-- *leanweb.fr*

‘ its awesome. I love it. So easy to customize and integrate into my app , and gives my users great visuals.

-- Michael V.

Hi Jonas firstly I'd like to express my gratitude for the awesome GraphViews library you have made for Android it's been a lifesaver

-- Mubanga M.

congratulations for your Work with GraphView it's an awesome library

-- Zaren O.

Hello Jonas! I'm using your android graphView library and it's great!

-- Stavros B.

Your project is great! Really enjoy using it.

-- Anton V.

I want to thank you for building such an easy to use tool

-- Daniel C.

 Visit project at github

1,859

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