android: stretch image in imageview to fit screen

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I have an `imageview` that has its height and width set to `fill_parent` with a `linearlayout` that has the same values set. So I suppose this should set my images to fit the screen. But it only fits like 80% (margin top and bottom in landscape mode).

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I've tried the following code without success:

```
Display display = getWindowManager().getDefaultDisplay();
int width = display.getWidth();
int height = display.getHeight();

imgView.setMinimumWidth(width);
imgView.setMinimumHeight(height);

imgView.setMaxWidth(width);
imgView.setMaxHeight(height);
```

Any other ideas?

android   imageview

edited Dec 30 '15 at 13:20

Blackwood
4,108   12   24   39

asked Jan 12 '11 at 11:00

Johan
1,029   3   16   18

8 Answers

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```
use imgview.setScaleType(ScaleType.FIT_XY);
```

answered Jan 12 '11 at 11:46

Pinki
13.6k   13   50   83

26   I know this is what you wanted, but for images where you care about aspect ratio, this will stretch it out. – Artem Russakovskii Nov 15 '11 at 1:39

Works wonders for ImageView inside a ScrollView. Even the aspect is kept correct. – JNissi Oct 17 '12 at 4:52

10   The same can be defined in the layout xml, android:scaleType="fitXY" – Sathesh Oct 17 '14 at 10:46 ✎

8   To make the image fill all the area and keep a good aspect ratio use `v.setAdjustViewBounds(true);` `v.setScaleType(ImageView.ScaleType.CENTER_CROP);` – Marco Florian Jun 20 '16 at 9:23 ✎

1   Works like a charm – dave o grady Mar 26 '18 at 20:39

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Give in the xml file of your layout

`android:scaleType="fitXY"`

P.S : this applies to when the image is set with

`android:src="..."` rather than `android:background="..."` as backgrounds are set by default to stretch and fit to the View.

3,617 9 40 71

the background thing didn't help solve the problem for me, am i doing something wrong? please take a look at: stackoverflow.com/questions/14164473/… – Dheeraj Bhaskar Jan 7 '13 at 20:49

1 This doesnt take care of aspect ratio if you hardcode the images' width and want the height to scale – Akshat Agarwal Dec 5 '13 at 21:15 ✎

How can I get this to fit the whole screen then? I want it to still be proportional – Ruchir Baronia Nov 7 '15 at 21:27

+1 for telling it applies to android:src="..." rather than android:background="..." this is very important – DragonFire May 11 at 14:56

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use this:

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```
ImageView.setAdjustViewBounds(true);
```

edited Mar 13 '15 at 7:51

bummi
25.3k 8 53 92

answered Mar 13 '15 at 6:31

Lalit kumar
1,139 9 13

4 This in combination with `android:scaleType="fitXY"` is what worked. Thanks – smac89 Jul 26 '15 at 19:20

@smac89 What is the difference between those combination and just using FIT_CENTER? Should not use FIT_CENTER? – Jenix Aug 1 '17 at 5:48

set in. Using `FIT_CENTER` sounds like it will just place the image in the center of the view but does not fill the view. I may be wrong, but you can experiment with either to find out what works – smac89 Aug 1 '17 at 15:19

@smac89 Before asking I already tested both of them and it worked just the same. I was curious about the reason but now think you didn't know FIT_CENTER just like the fact I didn't know about the combination you let me know. :) – Jenix Aug 2 '17 at 9:11 ✎

@Jenix, well there you go. I just learned something new – smac89 Aug 2 '17 at 13:24

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if you use `android:scaleType="fitXY"` then you must specify

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`android:layout_width="75dp"` and
`android:layout_height="75dp"`

if use wrap_content it will not stretch to what you need

```
<ImageView
android:layout_width="75dp"
android:layout_height="75dp"
android:id="@+id/listItemNoteImage"
android:src="@drawable/MyImage"
android:layout_alignParentTop="true"
android:layout_alignParentStart="true"
android:layout_marginStart="12dp"
android:scaleType="fitXY"/>
```

edited May 16 '17 at 11:58

Rakshith Kumar
713   5   18

answered Jun 17 '16 at 19:57

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The accepted answer is perfect, however if you want to do it from xml, you can use `android:scaleType="fitXY"`

answered Nov 11 '15 at 17:59

Bibaswann
Bandyopadhyay
2,606 25 23

1   This what I needed and it worked for me.Thanks – Mohammad Dec 2 '15 at 9:20

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I Have used this `android:scaleType="fitXY"` code in Xml file.

answered Apr 1 '16 at 14:01
user6011162

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just change your ImageView height and width to wrap_content and use

exampleImage.setScaleType(ImageView.ScaleType.FIT_XY);

in your code.

answered Jun 11 '16 at 8:38

Ankur Yadav
1 1

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Trying using :

```
imageview.setFitToScreen(true);
imageview.setScaleType(ScaleType.FIT_CENTER);
```

This will fit your imageview to the screen with the correct ratio.

answered Mar 6 '13 at 4:31

Lincy
202   1   3   14

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12   "imageview.setFitToScreen(true);" - what is that? some undocumented method? – Malachiasz Feb 6 '14 at 13:33

I am using eclipse and this does not compile: `imageview.setFitToScreen(true)` – learner Mar 21 '14 at 21:45

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5   There is no such method like this in the android. – NightFury Apr 3 '14 at 23:27 ✎

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2   lol.............. – Martin Capodici Jun 8 '14 at 22:47

Maybe he meant `setFitsSystemWindows()` ?? – ban-geoengineering Oct 9 '14 at 16:37