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# Android *Fonts*

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Notes are based on:  
The Busy Coder's Guide to Android Development  
by Mark L. Murphy  
Copyright © 2008-2009 CommonsWare, LLC.  
ISBN: 978-0-9816780-0-9  
&  
Android Developers  
<http://developer.android.com/index.html>



9. Android - UI - Fonts

# Fonts

Android *naturally* provides three fonts:

**sans:** An m is wider than i, mmm iii

**serif:** An m is wider than i, mmm iii

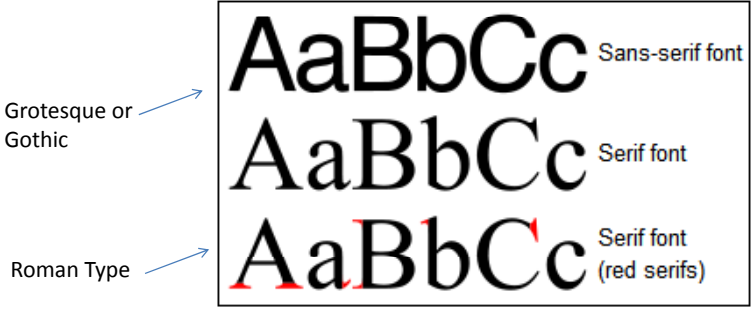
**monospaced:** An mmm is not wider than iii

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## Fonts

Also know as:



Grotesque or Gothic →

Roman Type →

Sans-serif font

Serif font

Serif font (red serifs)

Source: <http://en.wikipedia.org/wiki/Serif>

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## Fonts

Developers may add any font to their application by following the next steps:

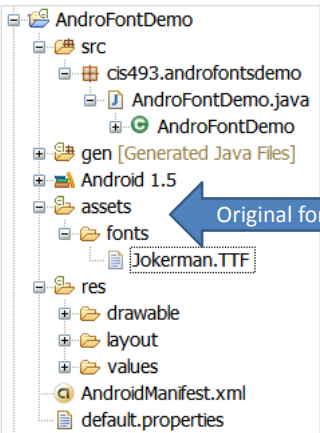
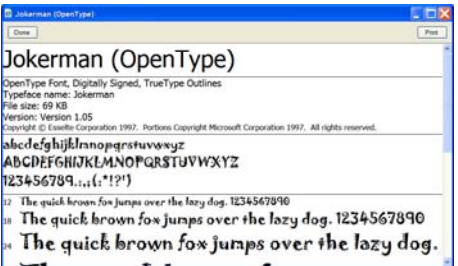
1. Create the **/fonts** folder in the **/assets** directory.
2. Copy *any fonts* you plan to use into the new folder.
3. Use Java code to bind the font with the UI widget wanting to display the custom typeface (see example).

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**Example:** Getting ready to use the **Jokerman.TTF** font.

Original font taken from c:\Windows\Fonts

Jokerman (OpenType)

OpenType Font, Digitally Signed, TrueType Outlines  
Typeface name: Jokerman  
File size: 69 KB  
Version: Version 1.05  
Copyright © Esselte Corporation 1997. Portions Copyright Microsoft Corporation 1997. All rights reserved.

abcdefghijklmnopqrstuvwxyz  
ABCDEFGHIJKLMNOPQRSTUVWXYZ  
123456789.,:;!?'

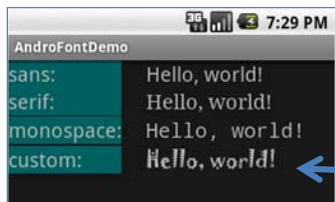
17 The quick brown fox jumps over the lazy dog. 1234567890  
18 The quick brown fox jumps over the lazy dog. 1234567890  
19 The quick brown fox jumps over the lazy dog. 1234567890

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**Example:**  
Display the **Hello World !** message using different fonts.




Using the font: Jokerman.TTF

**Note:**  
If you are using Windows XP look into the folder: **c:\Windows\Fonts** for fonts installed in your machine.

Consult the page: <http://www.ascendercorp.com/support/windows/> for additional information in manipulating fonts.

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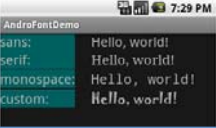
# Fonts

**Example Application:**  
Showing different FONT types.

```

<?xml version="1.0" encoding="utf-8"?>
<TableLayout
  android:id="@+id/myTableLayout"
  android:layout_width="fill_parent"
  android:layout_height="fill_parent"
  android:orientation="vertical"
  android:stretchColumns="1"
  xmlns:android="http://schemas.android.com/apk/res/android"
>

```



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# Fonts

```

<TableRow
  android:id="@+id/myRow1"
  android:layout_width="fill_parent"
  android:layout_height="wrap_content"
  android:orientation="horizontal"
>
  <TextView
    android:id="@+id/labelSans"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:background="#ff006666"
    android:layout_marginRight="24px"
    android:text="sans:"
    android:textSize="20sp"
  >
  </TextView>
  <TextView
    android:id="@+id/sans"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Hello, world!"
    android:textSize="20sp"
    android:typeface="sans" ←
  >
  </TextView>
</TableRow>

```



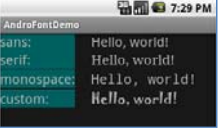
9. Android - UI - Fonts

## Fonts

```

</TableRow>
<TableRow
  android:id="@+id/myRow2"
  android:layout_width="fill_parent"
  android:layout_height="wrap_content"
  android:orientation="horizontal"
  >
  <TextView
    android:id="@+id/labelSerif"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginRight="24px"
    android:text="serif:"
    android:textSize="20sp"
    android:background="#ff066666"
  >
  </TextView>
  <TextView
    android:id="@+id/serif"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Hello, world!"
    android:textSize="20sp"
    android:typeface="serif"
  >
  </TextView>
</TableRow>

```



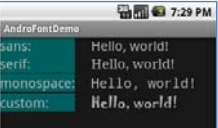
9. Android - UI - Fonts

## Fonts

```

<TableRow
  android:id="@+id/myRow3"
  android:layout_width="fill_parent"
  android:layout_height="wrap_content"
  android:orientation="horizontal"
  >
  <TextView
    android:id="@+id/labelMonospace"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginRight="24px"
    android:text="monospace:"
    android:textSize="20sp"
    android:background="#ff066666"
  >
  </TextView>
  <TextView
    android:id="@+id/monospace"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Hello, world!"
    android:textSize="20sp"
    android:typeface="monospace"
  >
  </TextView>
</TableRow>

```



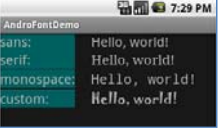
9. Android - UI - Fonts

## Fonts

```

<TableRow
  android:id="@+id/myRow4"
  android:layout_width="fill_parent"
  android:layout_height="wrap_content"
  android:orientation="horizontal"
  >
  <TextView
    android:id="@+id/labelCustom"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:layout_marginRight="24px"
    android:text="custom:"
    android:textSize="20sp"
    android:background="#ff006666"
  >
  </TextView>
  <TextView
    android:id="@+id/custom"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:text="Hello, world!"
    android:textSize="20sp"
  >
  </TextView>
</TableRow>
</TableLayout>

```



To be displayed using a custom font

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## Fonts

```

package cis493.androfontsdemo;

import android.app.Activity;
import android.graphics.Typeface;
import android.os.Bundle;
import android.widget.TextView;

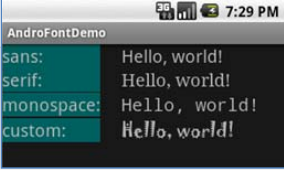
public class AndroFontDemo extends Activity {
    @Override
    public void onCreate(Bundle icle) {
        super.onCreate(icle);
        setContentView(R.layout.main);


        // bind the "custom" textview with chosen font
        TextView tvCustom=(TextView)findViewById(R.id.custom);

        Typeface myNewFace=Typeface.createFromAsset(
            getAssets(), "fonts/Jokerman.TTF" );

        tvCustom.setTypeface(myNewFace);
    }
}

```





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# Fonts

*Questions ?*

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