

Style & Theme

Style: specify appearance for a single View.

Theme: specify appearance for an entire app, activity or view hierarchy - not just an individual view.
also apply to non-view elements, such as status bar, window background.

Where to find attributes you can declare with an <item> tag?

Using Android Studio Theme Editor or find it in the XML attributes table in class references. Such as,

- <https://developer.android.com/reference/android/widget/TextView#lattr>
- <https://developer.android.com/reference/android/view/View#xml-attributes>

Create & Apply Style

res/value/styles.xml

```
<resources>
...
    <style name="MyCustomTextViewStyle">
        <item name="android:textColor">#FF0000</item>
        <item name="android:textAppearance">?android:attr/textAppearanceMedium</
item>
        <item name="android:textStyle">bold</item>
    </style>
...
</resources>
```

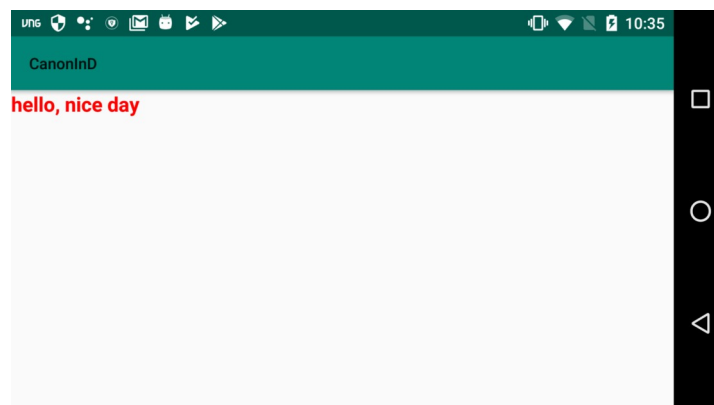
res/layout/activity_main.xml

```
<LinearLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical"
    tools:context=".MainActivity">

    <TextView
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        style="@style/MyCustomTextViewStyle"
        android:text="hello, nice day" />

</LinearLayout>
```

Screenshot



Create & Apply Theme

res/value/styles.xml

```
<resources>
...
<style name="AppTheme" parent="Theme.AppCompat.Light">
  <item name="colorPrimary">@color/colorPrimary</item>
  <item name="colorPrimaryDark">@color/colorPrimaryDark</item>
  <item name="colorAccent">@color/colorAccent</item>
  <item name="windowNoTitle">true</item>
  <item name="windowActionBar">false</item>
  <item name="android:windowFullscreen">true</item>
...
</style>
```

AndroidManifest.xml

```
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
  package="maxter.canon">

  <application
    android:allowBackup="true"
    android:icon="@mipmap/ic_launcher"
    android:label="@string/app_name"
    android:roundIcon="@mipmap/ic_launcher_round"
    android:supportsRtl="true"
    android:theme="@style/AppTheme">
    <activity android:name=".MainActivity">
      <intent-filter>
        <action android:name="android.intent.action.MAIN" />

        <category android:name="android.intent.category.LAUNCHER" />
      </intent-filter>
    </activity>
  </application>

</manifest>
```

Screenshot

