



Bruschetta Recipe

In Part 1 of Lesson 2, we created the Healthy Recipes project, and developed the layout (XML) file for the MainActivity.

In this part of Lesson 2, we add a second (Recipe) activity and configure its layout (XML) file to display the recipe for making Bruschetta.

At this point, it would be a good idea to review Planning a Program (Android Boot Camp, page 58)

Make a particular note of the fact that in Android app development, for each Activity, we must first make sure our layout (XML) file is correct and error-free before we even start coding (in Java) for that Activity.

ImageView

View Recipe

VIEW RECIPE

Component Tree

- LinearLayout(vertical)
 - Ab titleTextView- "@string/bx..."
 - imageView
 - btnRecipe- "@string/btnR..."

Design **Text**

Attributes

btnRecipe	Button
filterTouchesWhenObserved	Boolean
fitsSystemWindows	Boolean
focusable	Boolean
focusableInTouchMode	Boolean
foreground	Image
foregroundGravity	Gravity
freezesText	Boolean
gravity	Gravity
hapticFeedbackEnabled	Boolean
height	Dimension
hint	@string/btnRecipeHint
id	btnRecipe
imeActionId	Int
imeActionLabel	String
imeOptions	Int
includeFontPadding	Boolean
inputMethod	String
inputType	Int
isScrollContainer	Boolean
keepScreenOn	Boolean
layerType	LayerType
layout_gravity	Gravity
layout_height	Dimension
layout_margin	Dimension
layout_weight	Float
layout_width	Dimension
lineSpacingExtra	Dimension
lineSpacingMultiplier	Float
lines	Int
linksClickable	Boolean
longClickable	Boolean
marqueeRepeatLimit	Int



Select, then right-click on 'app' in the Project explorer

Bruschetta Recipe

ImageView

View Recipe

VIEW RECIPE

Attributes

btnRecipe	Button
filterTouchesWhenObserved	checkbox
fitsSystemWindows	checkbox
focusable	checkbox
focusableInTouchMode	checkbox
foreground	Image
foregroundGravity	checkbox
freezesText	checkbox
gravity	center_vertical center_horizontal
hapticFeedbackEnabled	checkbox
height	checkbox
hint	@string/btnRecipeHint
id	btnRecipe
imeActionId	checkbox
imeActionLabel	checkbox
imeOptions	checkbox
includeFontPadding	checkbox
inputMethod	checkbox
inputType	checkbox
isScrollContainer	checkbox
keepScreenOn	checkbox
layerType	checkbox
layout_gravity	checkbox
layout_height	wrap_content
layout_margin	[?, ?, ?, ?, ?]
layout_weight	checkbox
layout_width	match_parent
lineSpacingExtra	checkbox
lineSpacingMultiplier	checkbox
lines	checkbox
linksClickable	checkbox
longClickable	checkbox
marqueeRepeatLimit	checkbox

Component Tree

- LinearLayout(vertical)
 - titleTextView- "@+id/title_textview" [Warning]
 - imageView
 - btnRecipe- "@+id/button_recipe" [Warning]

Design Text

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HealthyRecipes > app

Android

New

- Link C++ Project with Gradle
- Cut Ctrl+X
- Copy Ctrl+C
- Copy Path Ctrl+Shift+C
- Copy Relative Path Ctrl+Alt+Shift+C
- Paste Ctrl+V
- Find Usages Alt+F7
- Find in Path... Ctrl+Shift+F
- Replace in Path... Ctrl+Shift+R
- Analyze
- Refactor
- Add to Favorites
- Show Image Thumbnails Ctrl+Shift+T
- Reformat Code Ctrl+Alt+L
- Optimize Imports Ctrl+Alt+O
- Run 'All Tests' Ctrl+Shift+F10
- Debug 'All Tests'
- Run 'All Tests' with Coverage
- Create 'All Tests'...
- Show in Explorer
- Open in Terminal
- Local History
- Synchronize 'app'
- Edit Scopes...
- Directory Path Ctrl+Alt+F12
- Compare With... Ctrl+D
- Open Module Settings F4
- Load/Unload Modules...
- Remove BOM
- Create Gist...
- Convert Java File to Kotlin File Ctrl+Alt+Shift+K

Module

- Android Resource File
- Android Resource Directory
- Sample Data Directory
- File
- Scratch File Ctrl+Alt+Shift+Insert
- Directory
- C++ Class
- C/C++ Source File
- C/C++ Header File
- .editorconfig file
- Kotlin Script
- Gradle Kotlin DSL Build Script
- Gradle Kotlin DSL Settings
- Edit File Templates...
- AIDL
- Activity
- Android Auto
- Folder
- Fragment
- Google
- Other
- Service
- UI Component
- Wear
- Widget
- XML
- Resource Bundle

tte

Common

- TextView
- Button
- ImageView
- RecyclerView
- <> <fragment>
- ScrollView
- Switch

Attributes

btnRecipe	Button
filterTouchesWhenObserved	
fitsSystemWindows	
focusable	true
focusableInTouchMode	
foreground	
foregroundGravity	
freezesText	
gravity	center_vertical center_horizontal
hapticFeedbackEnabled	
height	
hint	@string/btnRecipeHint
id	btnRecipe
imeActionId	
imeActionButton	
imeOptions	
includeFontPadding	
inputMethod	
inputType	
isScrollContainer	
keepScreenOn	
layerType	
layout_gravity	
layout_height	wrap_content
layout_margin	[?, ?, ?, ?]
layout_width	match_parent
lineSpacingExtra	
lineSpacingMultiplier	
lines	
linksClickable	
longClickable	
marqueeRepeatLimit	

activity_main.xml

MainActivity.java

Pixel 28 AppTheme Default (en-us) 33% Attributes

Bruschetta Recipe

Image Asset

Bruschetta Recipe

ImageView

VIEW RECIPE

Recall that you create an Empty Activity for the MainActivity when you first create a new project.

From the menu, select: New > Activity > Empty Activity

HealthyRecipes [C:\Users\nbashias1\Documents\AndroidStudioProjects\HealthyRecipes] - ...app\src\main\res\layout\activity_main.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HealthyRecipes app

1: Project

Resource Manager

2: Structure

3: Favorites

Build Variants

Layout Captures

Activity Main

MainActivity.java

activity_main.xml

Attributes

Gradle

New Android Activity

Configure Activity

Creates a new empty activity

Activity Name: Recipe

Generate Layout File

2. Change the Layout Name to 'recipe'

Launcher Activity

Note: Do NOT select this checkbox, since the Recipe activity is NOT the activity opened when the app is launched (the MainActivity is the launcher activity)

Package name: u.udayton.healthyrecipes

The name of the layout to create for the activity

Previous Next Cancel Finish

Design Text

View Recipe

1. Change the Activity name to 'Recipe'

2. Change the Layout Name to 'recipe'

3. Click Finish

Syncing only active variant // You can disable this experimental feature from // File -> Settings -> Experimental -> Gradle -> Only sync the active variant (today 1:40 PM)

Event Log

HealthyRecipes [C:\Users\nbashias1\Documents\AndroidStudioProjects\HealthyRecipes] - ...app\src\main\java\edu\udayton\healthyrecipes\Recipe.java [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HealthyRecipes app src main java edu udayton healthyrecipes Recipe

1: Project

Android

app manifests java edu.udayton.healthyrecipes MainActivity Recipe

edu.udayton.healthyrecipes (androidTest) edu.udayton.healthyrecipes (test)

generatedJava res

Gradle Scripts

Resource Manager

2: Structure

3: Favorites

4: Build: Sync

Build Variants

Layout Captures

5: TODO Terminal Build Logcat

6: Hide active tool window

activity_main.xml recipe.xml Recipe.java MainActivity.java

```
1 package edu.udayton.healthyrecipes;
2
3 import ...
4
5 public class Recipe extends AppCompatActivity {
6     @Override
7     protected void onCreate(Bundle savedInstanceState) {
8         super.onCreate(savedInstanceState);
9         setContentView(R.layout.recipe);
10    }
11
12 }
13
14 }
```

Hide (Shift+Escape)

As you did in part 1, hide the build pane

3 s 938 ms
3 s 235 ms
462 ms
439 ms
17 ms
2 s 72 ms
45 ms
564 ms

Device File Explorer

HealthyRecipes [C:\Users\nbashias1\Documents\AndroidStudioProjects\HealthyRecipes] - ...app\src\main\java\edu\udayton\healthyrecipes\Recipe.java [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HealthyRecipes app src main java edu udayton healthy [app] C:\Users\nbashias1\Documents\AndroidStudioProjects\HealthyRecipes\app\src\main\res\layout\recipe.xml

Android

Project

app manifests java edu.udayton.healthyrecipes MainActivity Recipe

Resource Manager

generatedJava res Gradle Scripts

2: Favorites

Build Variants

Layout Captures

1: Structure

activity_main.xml recipe.xml Recipe.java

Click its tab to switch to the new activity's layout file (recipe.xml)

```
1 package edu.udayton.healthyrecipes;
2
3 import ...
4
5 public class Recipe extends AppCompatActivity {
6     @Override
7     protected void onCreate(Bundle savedInstanceState) {
8         super.onCreate(savedInstanceState);
9         setContentView(R.layout.recipe);
10    }
11
12 }
13
14 }
```

We have now added a second activity to our app!

Using the technique just shown, Android Studio has already:

1. Created the recipe.xml layout file
2. Added the Recipe.java object class definition file, along with all needed code
3. Updated the AndroidManifest.xml file

This is similar to the process described in the section titled "Adding a Class File", on pages 59 - 62 of Android Boot Camp.

TODO Terminal Build Logcat

Source generation ended in 516 ms (moments ago)

1:1 CRLF UTF-8 4 spaces

Event Log

Device File Explorer

HealthyRecipes [C:\Users\nbashias1\Documents\AndroidStudioProjects\HealthyRecipes] - ...\\app\\src\\main\\res\\layout\\recipe.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HealthyRecipes app src main res layout recipe.xml

1:Project

app manifests java edu.udayton.healthyrecipes MainActivity Recipe edu.udayton.healthyrecipes (androidTest) edu.udayton.healthyrecipes (test) generatedJava res Gradle Scripts

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Design Text

Using the same steps as for the MainActivity's layout, switch to Text view and change the layout to a LinearLayout

No component selected.

Select a component in the Component Tree or on the Design Surface.

Attributes

activity_main.xml recipe.xml Recipe.java MainActivity.java

Palette

Common Ab TextView

- Text
- Buttons
- Widgets
- Layouts
- Containers
- Google
- Legacy

Pixel 28 AppTheme Default (en-us) 33% Attributes

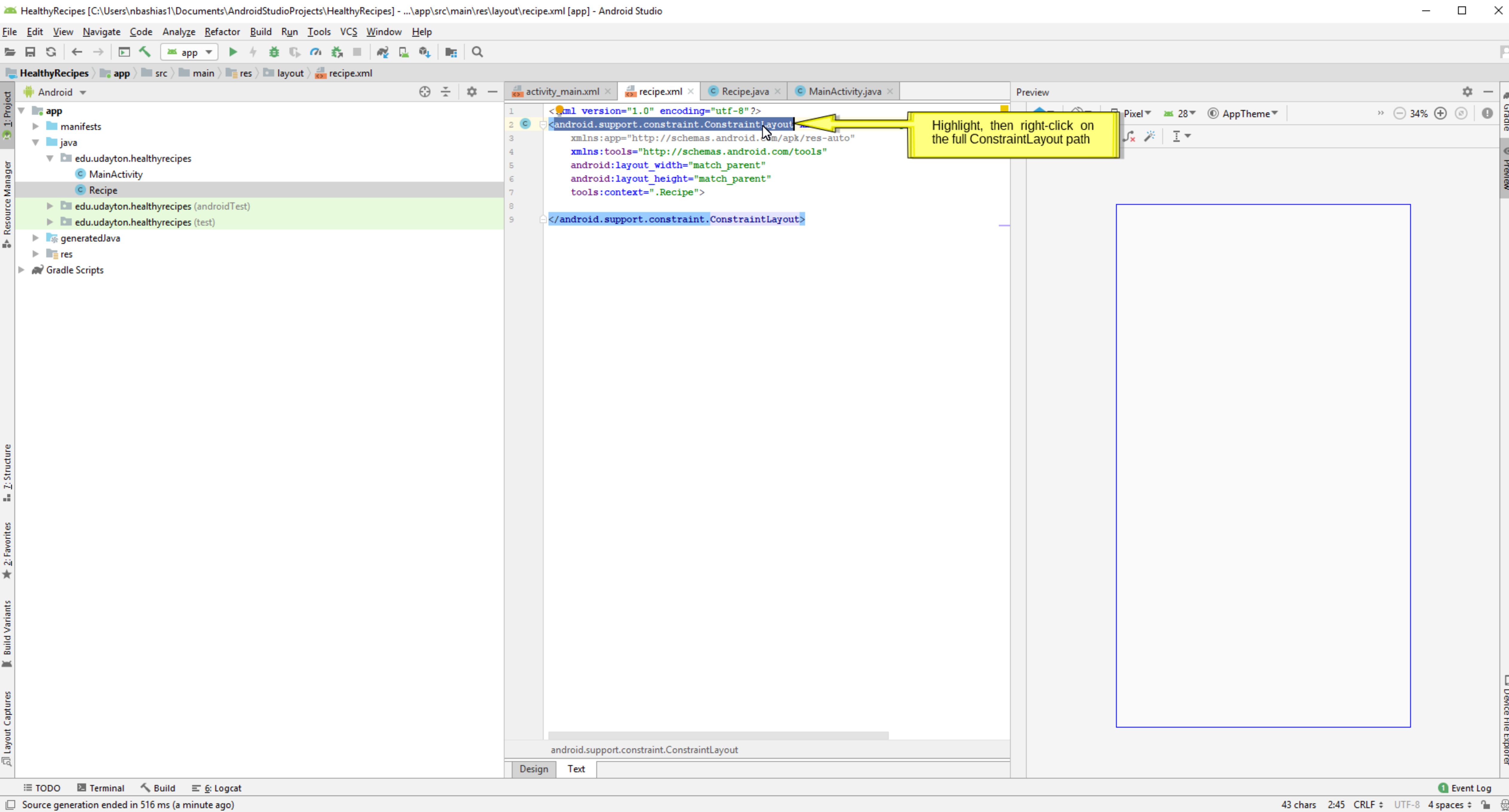
Component Tree ConstraintLayout

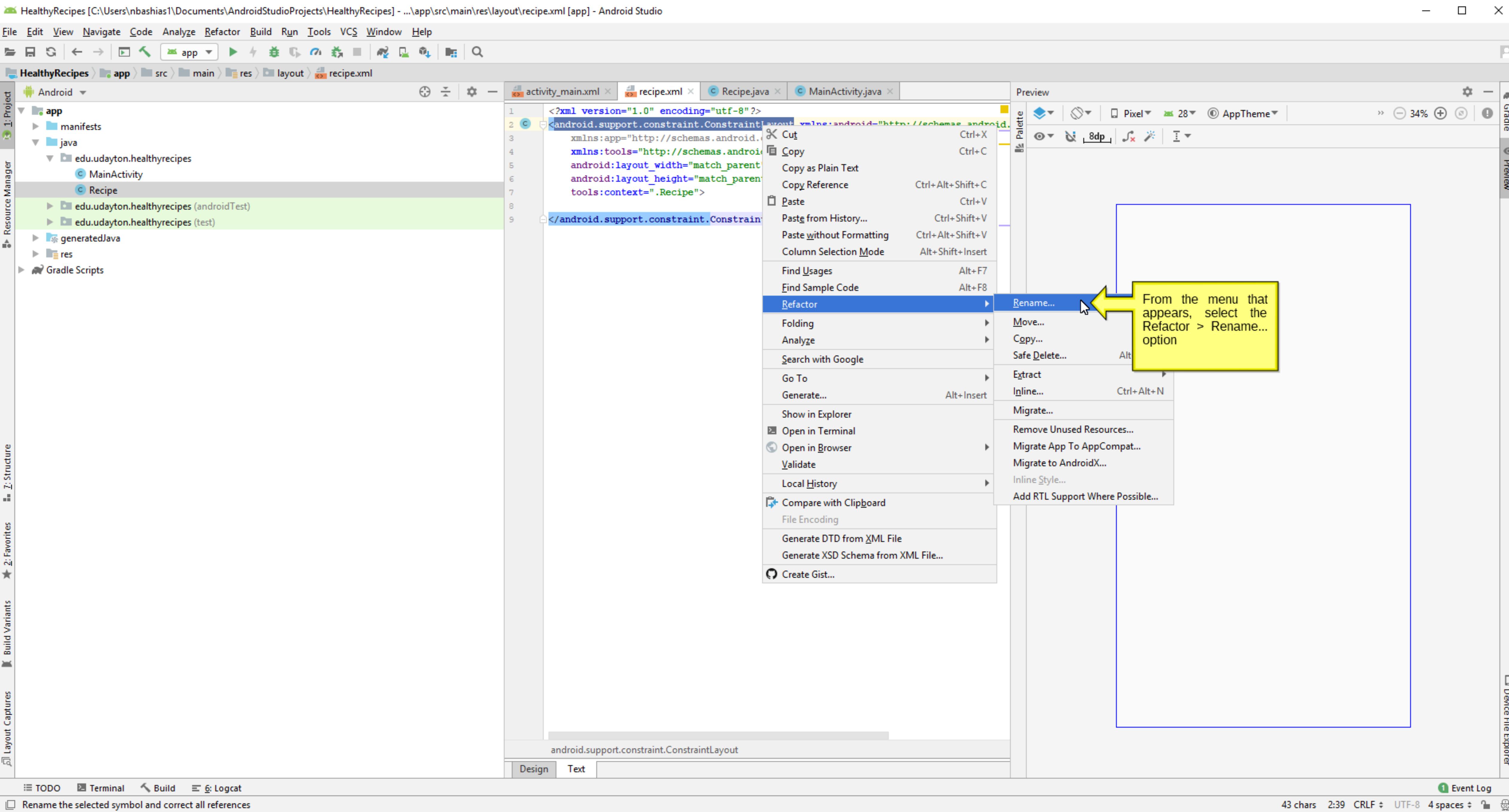
Device File Explorer

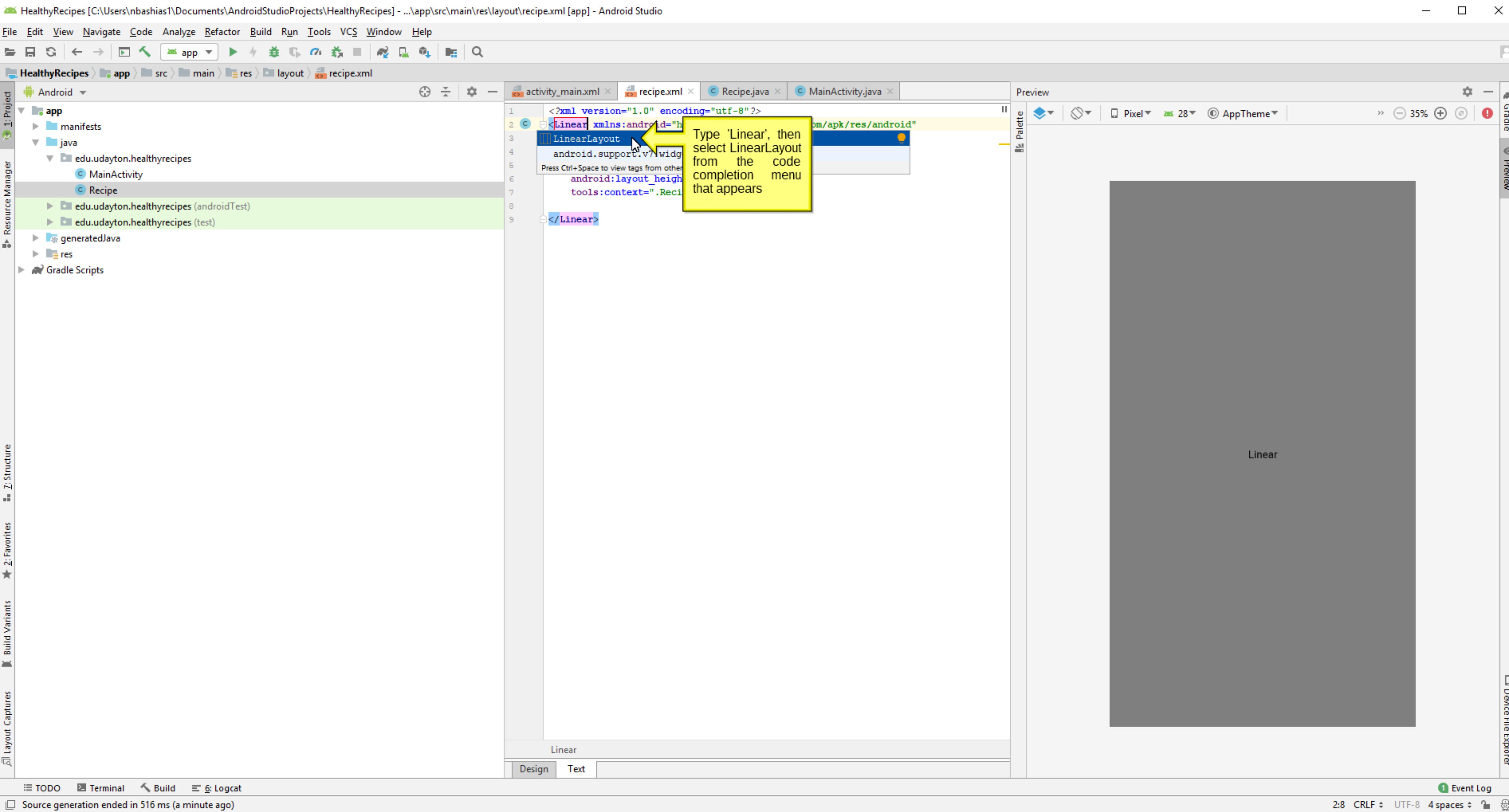
Event Log

TODO Terminal Build Logcat

Source generation ended in 516 ms (moments ago)









Android

1:Project

app

- manifests
- java
 - edu.udayton.healthyrecipes
 - MainActivity
 - Recipe
 - edu.udayton.healthyrecipes (androidTest)
 - edu.udayton.healthyrecipes (test)
- generatedJava
- res
- Gradle Scripts

Resource Manager

2: Favorites

Build Variants

Layout Captures

1: Structure

activity_main.xml recipe.xml Recipe.java MainActivity.java

Preview

Pixel 28 AppTheme

Hit the Enter key to confirm the change

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".Recipe">
</LinearLayout>
```

LinearLayout

Design Text

TODO Terminal Build Logcat

Event Log

Source generation ended in 516 ms (a minute ago)

2:14 CRLF 4 spaces

HealthyRecipes [C:\Users\nbashias1\Documents\AndroidStudioProjects\HealthyRecipes] - ...\\app\\src\\main\\res\\layout\\recipe.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HealthyRecipes app src main res layout recipe.xml

1:Project 2:Resource Manager 3:Favorites 4:Build Variants 5:Layout Captures 6:Structure

Preview Pixel 28 AppTheme 35% Preview

Palette

activity_main.xml recipe.xml Recipe.java MainActivity.java

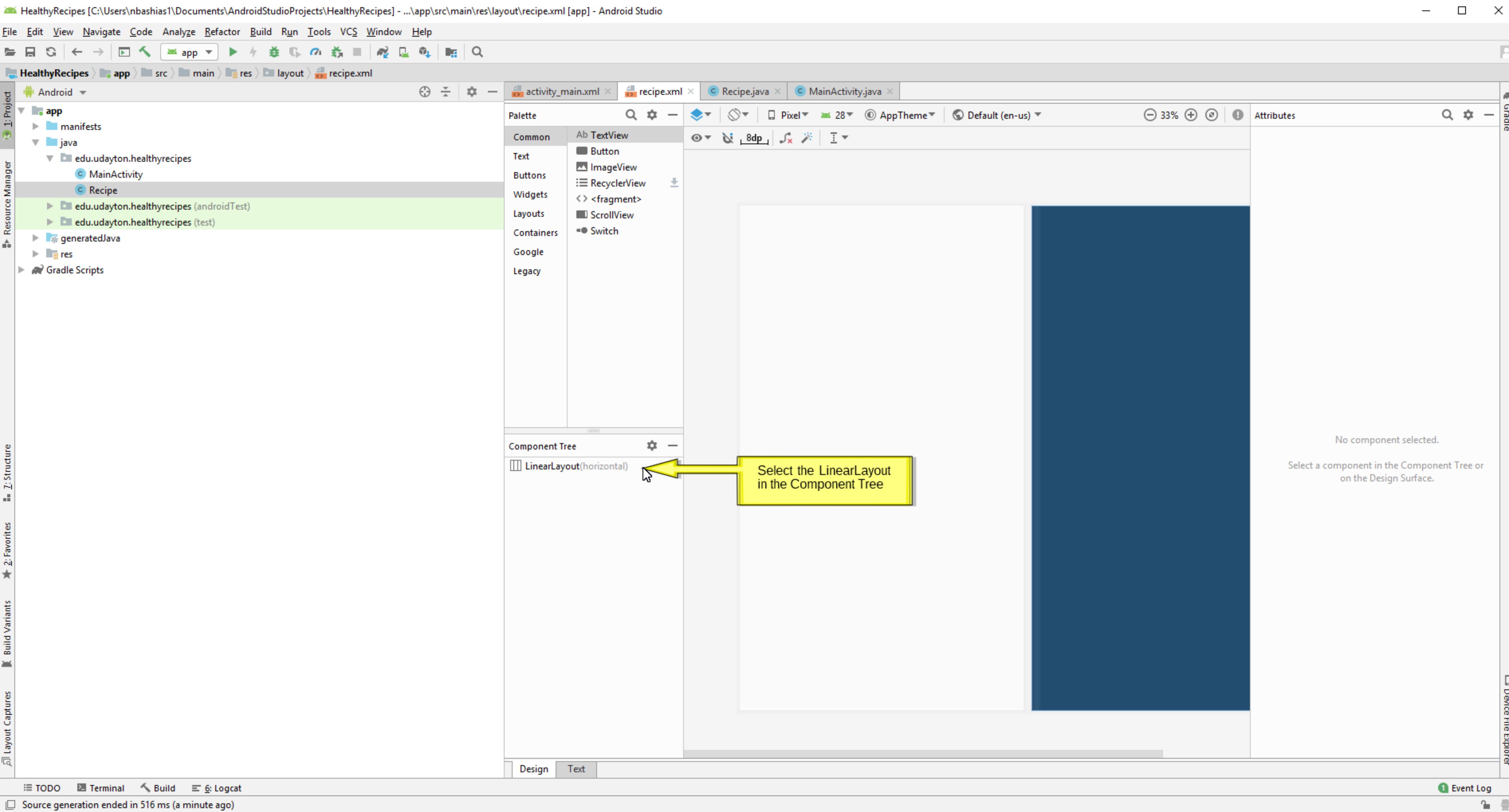
```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    xmlns:app="http://schemas.android.com/apk/res-auto"
    xmlns:tools="http://schemas.android.com/tools"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    tools:context=".Recipe">
```

Switch back to Design view

LinearLayout Design Text

TODO Terminal Build Logcat 1 Event Log

Source generation ended in 516 ms (a minute ago) 2:14 CRLF 4 spaces



HealthyRecipes app src main res layout recipe.xml

1:Project

Java

edu.udayton.healthyrecipes

- MainActivity
- Recipe

edu.udayton.healthyrecipes (androidTest)

edu.udayton.healthyrecipes (test)

generatedJava

res

Gradle Scripts

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Design Text

Attributes

id <unnamed>

Declared Attributes

Layout

- layout_width match_parent
- layout_height match_parent
- visibility
- visibility

Common Attributes

- actionBarNavMode
- addStatesFromChild
- alpha
- alwaysDrawnWithCa
- animateLayoutChani
- animationCache
- background
- baselineAligned
- baselineAlignedChil
- clickable
- clipChildren
- clipToPadding
- contentDescription
- context .Recipe
- descendantFocusab
- divider
- dividerPadding
- drawingCacheQualit
- duplicateParentState

Component Tree

LinearLayout(horizontal)

Pixel 28 AppTheme Default (en-us) 33%

Click to display the menu for setting the layout's orientation ...

Device File Explorer

HealthyRecipes app src main res layout recipe.xml

1:Project

Java

edu.udayton.healthyrecipes

MainActivity

Recipe

edu.udayton.healthyrecipes (androidTest)

edu.udayton.healthyrecipes (test)

generatedJava

res

Gradle Scripts

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Design Text

Activity_main.xml recipe.xml Recipe.java MainActivity.java

Palette

Common Ab TextView

Text Button

Buttons ImageView

Widgets RecyclerView

Layouts <> <fragment>

Containers ScrollView

Legacy Switch

Component Tree

LinearLayout(horizontal)

Attributes

<unnamed> LinearLayout

id

Declared Attributes

Layout

layout_width match_parent

layout_height match_parent

visibility

visibility

Common Attributes

orientation horizontal

gravity vertical

All Attributes

ActionBarNavMode

addStatesFromChild

alpha

alwaysDrawnWithCa

animateLayoutChani

animationCache

background

baselineAligned

baselineAlignedChil

clickable

clipChildren

clipToPadding

contentDescription

context .Recipe

descendantFocusab

divider

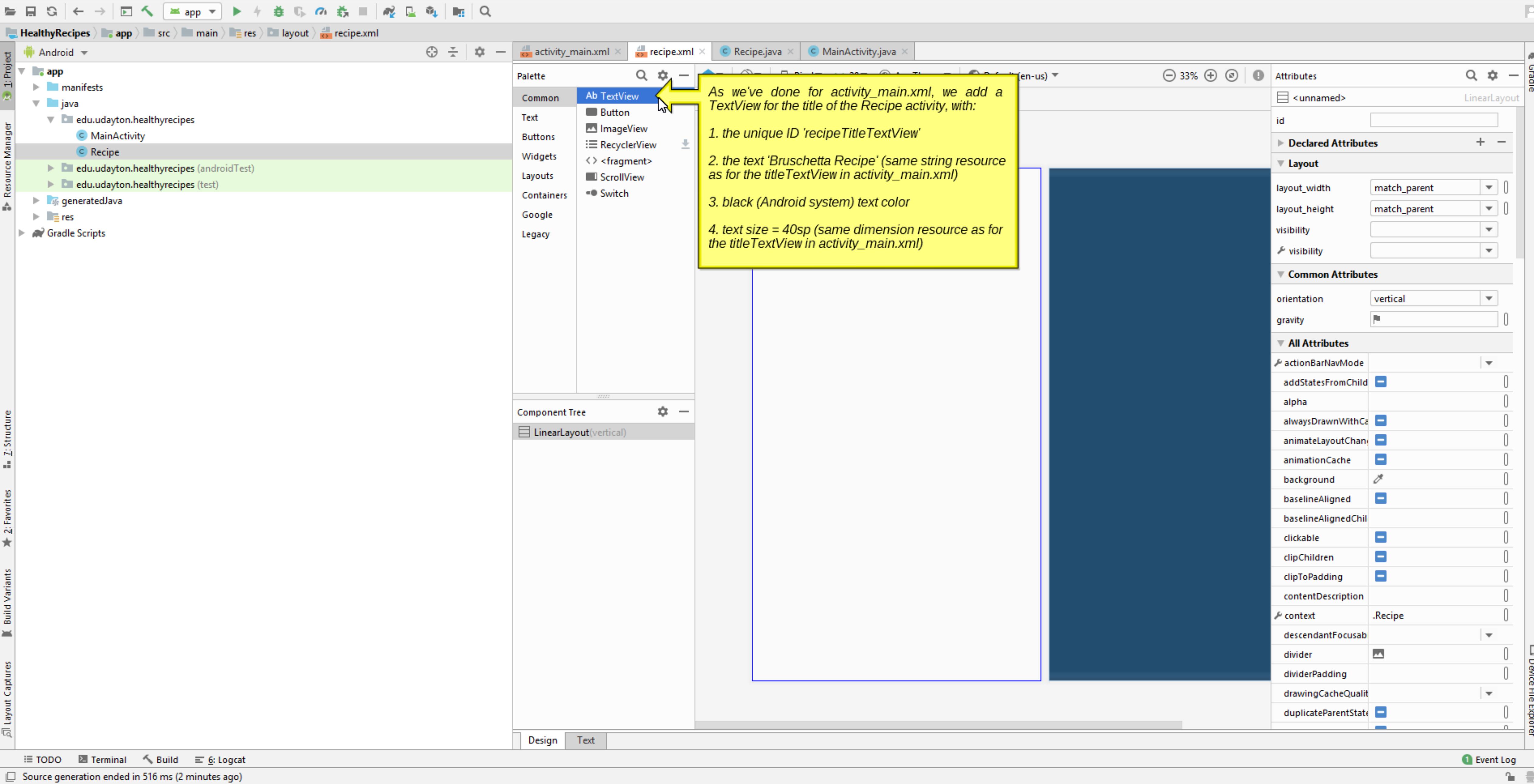
dividerPadding

drawingCacheQualit

duplicateParentState

... and change the orientation to vertical

Device File Explorer



HealthyRecipes > app > src > main > res > layout > recipe.xml

1:Project 2:Resource Manager 3:Favorites 4:Layout Captures 5:Build Variants

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

activity_main.xml recipe.xml Recipe.java MainActivity.java

Attributes

<unnamed> LinearLayout

id

Declared Attributes

Layout

layout_width match_parent

layout_height match_parent

visibility

visibility

Common

Text

Buttons

Widgets

Layouts

Containers

Google

Legacy

Add to Design

✓ Favorite

Android Documentation Shift+F1

Material Guidelines

The new TextView will appear at the top edge of the layout

Component Tree

LinearLayout(vertical)

Design Text

33%

Pixel 28 AppTheme Default (en-us)

Device File Explorer

TODO Terminal Build Logcat Event Log

Source generation ended in 516 ms (2 minutes ago)

HealthyRecipes app src main res layout recipe.xml

1:Project

app manifests java edu.udayton.healthyrecipes MainActivity Recipe edu.udayton.healthyrecipes (androidTest) edu.udayton.healthyrecipes (test) generatedJava res Gradle Scripts

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Design Text

Activity_main.xml recipe.xml Recipe.java MainActivity.java

Palette

Common Ab TextView

Text Button

Buttons ImageView

Widgets RecyclerView

Layouts <> <fragment>

Containers ScrollView

Google Switch

Legacy

Component Tree

LinearLayout(vertical)

Ab recipeTitleTextView- "Text..." □

Attributes

Ab recipeTitleTextView TextView

Declared Attributes

Layout

layout_width match_parent

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

text TextView

text

contentDescription

textAppearance @android:style/TextAp

fontFamily

typeface

textSize 14sp

lineSpacingExtra

textColor @android:color/secondary

textStyle B I Tr

All Attributes

alpha

autoLink

autoSizeMaxTextSize

autoSizeMinTextSize

autoSizePresetSizes

autoSizeStepGranul

autoSizeTextType

autoText

background

bufferType

Change the TextView's ID

Device File Explorer

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="vertical">
    <TextView
        android:id="@+id/recipeTitleTextView"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"/>

```

HealthyRecipes [C:\Users\nbashias1\Documents\AndroidStudioProjects\HealthyRecipes] - ...\\app\\src\\main\\res\\layout\\recipe.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HealthyRecipes app src main res layout recipe.xml

1:Project

app manifests java edu.udayton.healthyrecipes MainActivity Recipe edu.udayton.healthyrecipes (androidTest) edu.udayton.healthyrecipes (test) generatedJava res Gradle Scripts

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Design Text

Attributes

Ab recipeTitleTextView TextView

id recipeTitleTextView

Declared Attributes

Layout

layout_width match_parent

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

text TextView

text

contentDescription

textAppearance

@android:fontStyle

fontFamily

typeface

textSize 14sp

lineSpacingExtra

textColor @android:color/secondary

textStyle B I Tr

All Attributes

alpha

autoLink

autoSizeMaxTextSize

autoSizeMinTextSize

autoSizePresetSizes

autoSizeStepGranularity

autoSizeTextType

autoText

background

bufferType

Use the Resource manager to select the title text

Pixel 28 AppTheme Default (en-us) 33% 33% 33%

Palette

Common Ab TextView

Text Button

Buttons ImageView

Widgets RecyclerView

Layouts <> <fragment>

Containers ScrollView

Legacy Switch

Component Tree

LinearLayout(vertical)

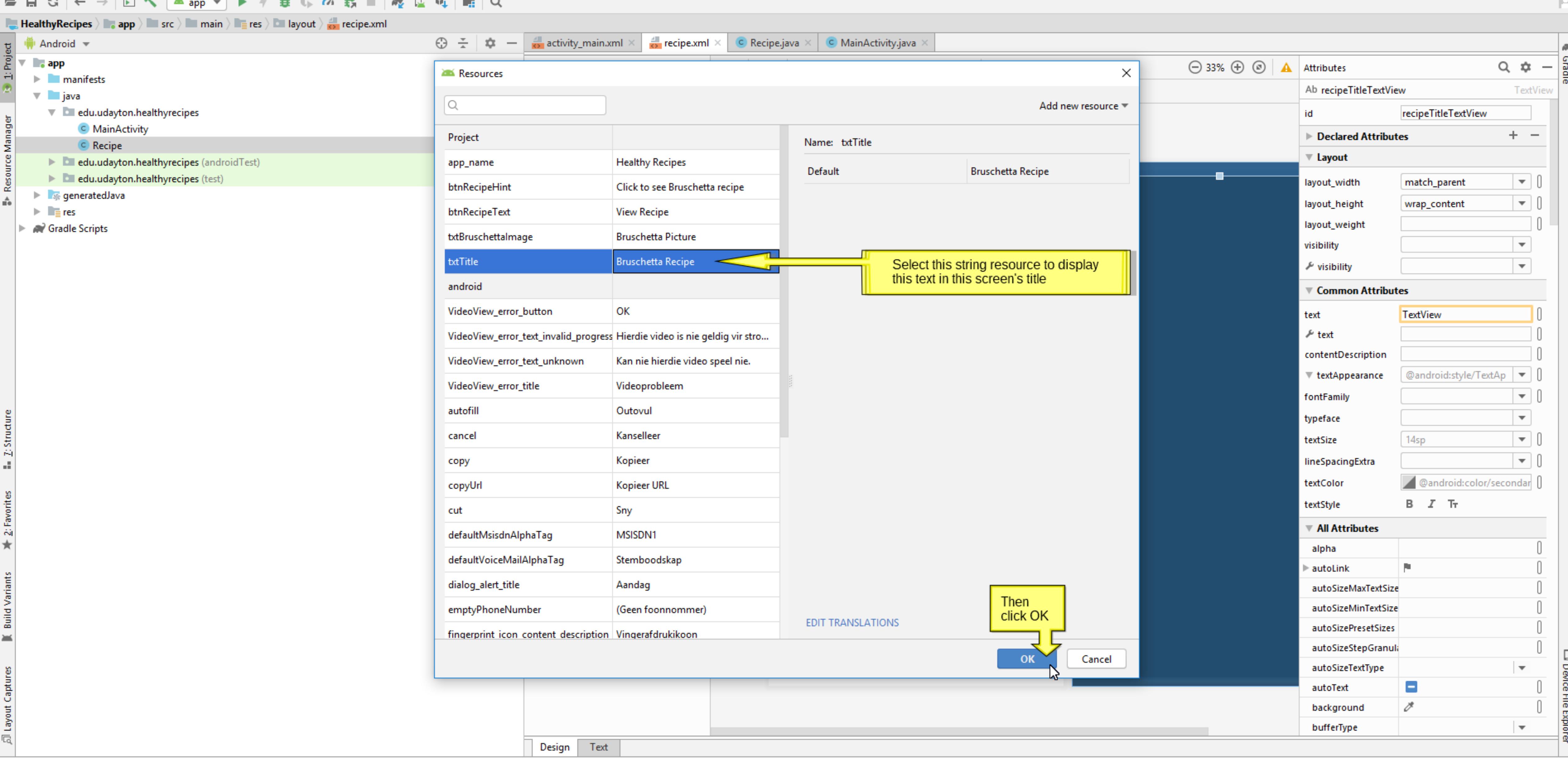
Ab recipeTitleTextView- "Text..."

Device File Explorer

TODO Terminal Build Logcat

Source generation ended in 516 ms (3 minutes ago)

Event Log



HealthyRecipes [C:\Users\nbashias1\Documents\AndroidStudioProjects\HealthyRecipes] - ...\\app\\src\\main\\res\\layout\\recipe.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HealthyRecipes app src main res layout recipe.xml

1:Project

app manifests java edu.udayton.healthyrecipes MainActivity Recipe edu.udayton.healthyrecipes (androidTest) edu.udayton.healthyrecipes (test) generatedJava res Gradle Scripts

Resource Manager

2:Structure

Layout Captures

Build Variants

2:Favorites

Component Tree

LinearLayout(vertical)

Ab recipeTitleTextView

Attributes

Ab recipeTitleTextView TextView

id recipeTitleTextView

Declared Attributes

Layout

layout_width match_parent

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

text @string/txtTitle

text

contentDescription

textAppearance @android:style/TextAp

fontFamily

typeface

textSize 14sp

lineSpacingExtra

textColor @android:color/secondary

textStyle

All Attributes

alpha

autoLink

autoSizeMaxTextSize

autoSizeMinTextSize

autoSizePresetSizes

autoSizeStepGranul

autoSizeTextType

autoText

background

bufferType

Use the Resource manager to select the title's text size

Design Text

TODO Terminal Build Logcat

Source generation ended in 516 ms (3 minutes ago)

Event Log

The screenshot shows the Android Studio interface with the project 'HealthyRecipes' open. The 'recipe.xml' layout file is being edited. In the layout editor, a TextView component is selected, which is also highlighted in the component tree on the left. The attributes panel on the right shows various properties for this TextView, including 'text' set to '@string/txtTitle'. A yellow callout box with the text 'Use the Resource manager to select the title's text size' points to the 'textSize' attribute, which is currently set to '14sp'. The preview area shows two cards with the same title 'Bruschetta Recipe'.



Resources

Add new resource ▾

Project	
btnRecipeTextSize	30sp
textPadding_10dp	10dp
titleTextSize	40sp
android	
app_icon_size	48dip
dialog_min_width_major	55%
dialog_min_width_minor	80%
notification_large_icon_height	64dp
notification_large_icon_width	64dp
thumbnail_height	360dp
thumbnail_width	360dp
Theme attributes	
actionBarSize	
dialogCornerRadius	
dialogPreferredPadding	
listPreferredItemPaddingLeft	
listPreferredItemPaddingRight	

Name: titleTextSize

Default 40sp

Select this dimension resource for the size of the text in this screen's title

OK Cancel

Attributes

Ab recipeTitleTextView
id recipeTitleTextView

Declared Attributes

Layout

layout_width match_parent

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

text @string/txtTitle

text

contentDescription

textAppearance @android:style/TextAp

fontFamily

typeface

textSize 14sp

lineSpacingExtra

textColor @android:color/secondary

textStyle B I Tr

All Attributes

alpha

autoLink

autoSizeMaxTextSize

autoSizeMinTextSize

autoSizePresetSizes

autoSizeStepGranul

autoSizeTextType

autoText

background

bufferType

HealthyRecipes [C:\Users\nbashias1\Documents\AndroidStudioProjects\HealthyRecipes] - ...\\app\\src\\main\\res\\layout\\recipe.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HealthyRecipes app src main res layout recipe.xml

1:Project

app manifests java edu.udayton.healthyrecipes MainActivity Recipe edu.udayton.healthyrecipes (androidTest) edu.udayton.healthyrecipes (test) generatedJava res drawable layout mipmap values Gradle Scripts

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Design Text

Attributes

Ab recipeTitleTextView TextView

id recipeTitleTextView

Declared Attributes

Layout

layout_width match_parent

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

text @string/txtTitle

text

contentDescription

textAppearance @android:style/TextAp...

fontFamily

typeface

textSize @dimen/titleTextSize

lineSpacingExtra

textColor @android:color/secondary

textStyle B I Tr

All Attributes

alpha

autoLink

autoSizeMaxTextSize

autoSizeMinTextSize

autoSizePresetSizes

autoSizeStepGranul...

autoSizeTextType

autoText

background

bufferType

Use the Resource manager to change the title's text color to black

Pixel 28 AppTheme Default (en-us) 33% 33% 33%

Bruschetta Recipe

Bruschetta Recipe

Component Tree

LinearLayout(vertical)

Ab recipeTitleTextView- "@strin...

Device File Explorer

TODO Terminal Build Logcat Event Log

Source generation ended in 516 ms (6 minutes ago)

The screenshot shows the Android Studio interface with the project 'HealthyRecipes' open. The 'layout' tab is selected, displaying the XML file 'recipe.xml'. The layout itself is a simple vertical linear layout containing a single text view with the text 'Bruschetta Recipe'. In the properties panel on the right, the 'textColor' attribute is highlighted with a yellow box and an arrow, indicating it should be changed to black. A tooltip provides instructions on how to do this using the resource manager.



Android Resources Editor

The screenshot shows the Android Resources editor in Android Studio. A yellow callout box with the text "Expand the android system colors" points to the "Theme attributes" section of the left sidebar, which contains entries for colorAccent, colorPrimary, and colorPrimaryDark.

Attributes

- Ab recipeTitleTextView (TextView)
- id recipeTitleTextView

Declared Attributes

- + -

Layout

- layout_width match_parent
- layout_height wrap_content
- layout_weight
- visibility
- ✓ visibility

Common Attributes

- text @string/txtTitle
- ✓ text
- contentDescription
- textAppearance @android:style/TextAp
- fontFamily
- typeface
- textSize @dimen/titleTextSize
- lineSpacingExtra
- textColor @android:color/secondary
- textStyle B I Tr

All Attributes

- alpha
- autoLink
- autoSizeMaxTextSize
- autoSizeMinTextSize
- autoSizePresetSizes
- autoSizeStepGranularity
- autoSizeTextType
- autoText
- background
- bufferType

Design Text



HealthyRecipes > app > src > main > res > layout > recipe.xml

1:Project

Resource Manager

2:Structure

Build Variants

Favorites

Layout Captures

TODO Terminal Build Logcat

Source generation ended in 516 ms (6 minutes ago)

Gradle

Device File Explorer

Resources

Add new resource

Name: black

Default

Project

android

background_dark

background_light

black

darker_gray

holo_blue_bright

holo_blue_dark

holo_blue_light

holo_green_dark

holo_green_light

holo_orange_dark

holo_orange_light

Select the black Android system color

@android:color/black
= #ff000000

OK Cancel

Design Text

Attributes

Ab recipeTitleTextView

id recipeTitleTextView

Declared Attributes

Layout

layout_width match_parent

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

text @string/txtTitle

text

contentDescription

textAppearance @android:style/TextAp

fontFamily

typeface

textSize @dimen/titleTextSize

lineSpacingExtra

textColor @android:color/secondar

textStyle B I Tr

All Attributes

alpha

autoLink

autoSizeMaxTextSize

autoSizeMinTextSize

autoSizePresetSizes

autoSizeStepGranul

autoSizeTextType

autoText

background

bufferType

33%

Gradle

Netta Recipe

Event Log

HealthyRecipes app src main res layout recipe.xml

1:Project

app manifests java edu.udayton.healthyrecipes MainActivity Recipe edu.udayton.healthyrecipes (androidTest) edu.udayton.healthyrecipes (test) generatedJava res drawable layout mipmap values Gradle Scripts

Resource Manager

2:Structure

Build Variants

Layout Captures

3:Favorites

Activity_main.xml recipe.xml Recipe.java MainActivity.java

Palette

Common Ab TextView

Text Button

Buttons ImageView

Widgets RecyclerView

Layouts <> <fragment>

Containers ScrollView

Google Switch

Legacy

Component Tree

LinearLayout(vertical)

Ab recipeTitleTextView- "@string/recipe_title"

Attributes

Ab recipeTitleTextView

nextFocusUp

numeric

onClick

overScrollMode

padding

password

phoneNumber

privateImeOptions

requiresFadingEdge

rotation

rotationX

rotationY

saveEnabled

scaleX

scaleY

scrollHorizontally

scrollIX

scrollIY

scrollbarAlwaysDraw

scrollbarAlwaysDraw

scrollbarDefaultDelta

scrollbarFadeDuration

scrollbarSize

scrollbarStyle

scrollbarThumbHorizontal

scrollbarThumbVertical

scrollbarTrackHorizontal

scrollbarTrackVertical

scrollbars

selectAllOnFocus

shadowColor

shadowDx

Design Text

Bruschetta Recipe

Bruschetta Recipe

Scroll down and click this arrow to expand the padding attribute group

Device File Explorer

HealthyRecipes [C:\Users\nbashias1\Documents\AndroidStudioProjects\HealthyRecipes] - ...\\app\\src\\main\\res\\layout\\recipe.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HealthyRecipes app src main res layout recipe.xml

1:Project

app manifests java edu.udayton.healthyrecipes MainActivity Recipe edu.udayton.healthyrecipes (androidTest) edu.udayton.healthyrecipes (test) generatedJava res drawable layout mipmap values Gradle Scripts

Resource Manager

2:Structure

Build Variants

Layout Captures

2:Favorites

Design Text

Activity_main.xml recipe.xml Recipe.java MainActivity.java

Palette

Common Ab TextView

Text Button

Buttons ImageView

Widgets RecyclerView

Layouts <> <fragment>

Containers ScrollView

Google Switch

Legacy

Component Tree

LinearLayout(vertical)

Ab recipeTitleTextView- "@string/recipe_title"

Attributes

Ab recipeTitleTextView TextView

nextFocusUp

numeric

onClick

overScrollMode

padding [?, ?, ?, ?, ?]

padding

paddingLeft

paddingTop

paddingRight

paddingBottom

password

phoneNumber

privateImeOptions

requiresFadingEdge

rotation

rotationX

rotationY

saveEnabled

scaleX

scaleY

scrollHorizontally

scrollI

scrollY

scrollbarAlwaysDraw

scrollbarAlwaysDraw

scrollbarDefaultDela 400

scrollbarFadeDuratio 250

scrollbarSize 4dp

scrollbarStyle

scrollbarThumbHoriz @android:drawable(scroll)

scrollbarThumbVerti @android:drawable(scroll)

scrollbarTrackHorizo @null

Use the resource manager to select the top padding attribute

Device File Explorer

TODO Terminal Build Logcat

Source generation ended in 516 ms (6 minutes ago)

Event Log



Resources

Add new resource ▾

Project	Name:	Default
btnRecipeTextSize	30sp	10dp
textPadding_10dp	10dp	10dp
titleTextSize	40sp	
android		
app_icon_size	48dip	
dialog_min_width_major	55%	
dialog_min_width_minor	80%	
notification_large_icon_height	64dp	
notification_large_icon_width	64dp	
thumbnail_height	360dp	
thumbnail_width	360dp	
Theme attributes		
actionBarSize		
dialogCornerRadius		
dialogPreferredPadding		
listPreferredItemPaddingLeft		
listPreferredItemPaddingRight		

Select this dimension resource for the top padding

Then click OK

OK Cancel

Attributes

Ab recipeTitleTextView
nextFocusUp
▶ numeric
onClick
overScrollMode
▼ padding
padding
paddingLeft
paddingTop
paddingRight
paddingBottom
password
phoneNumber
privateImeOptions
▶ requiresFadingEdge
rotation
rotationX
rotationY
saveEnabled
scaleX
scaleY
scrollHorizontally
scrollX
scrollY
scrollbarAlwaysDraw
scrollbarAlwaysDraw
scrollbarDefaultDela 400
scrollbarFadeDuratio 250
scrollbarSize 4dp
scrollbarStyle
scrollbarThumbHoriz @android:drawable(scroll)
scrollbarThumbVerti @android:drawable(scroll)
scrollbarTrackHorizo @null

The screenshot shows the Android Studio interface for editing the layout file `recipe.xml`. The project structure on the left indicates the app module contains `MainActivity` and `Recipe` Java files. The layout editor shows a `Bruschetta Recipe` title in a large font. The palette on the right lists various UI components like `Text`, `Buttons`, `Widgets`, and `Layouts`. The `Attributes` panel on the right shows the `recipeTitleTextView` has a padding attribute set to `@dimen/textPadding_10dp`. A yellow callout box with an arrow points to the `paddingTop` attribute in the `Attributes` panel, with the text: "Use the resource manager to select the bottom padding attribute".

Project

app

- manifests
- java
 - edu.udayton.healthyrecipes
 - MainActivity
 - Recipe
 - edu.udayton.healthyrecipes (androidTest)
 - edu.udayton.healthyrecipes (test)
- generatedJava
- res
 - drawable
 - layout
 - mipmap
 - values

Resource Manager

1: Project

2: Structure

3: Favorites

Build Variants

Layout Captures

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HealthyRecipes > app > src > main > res > layout > recipe.xml

activity_main.xml recipe.xml Recipe.java MainActivity.java

Palette

Common Ab TextView

- Text
- Buttons
- Widgets
- Layouts
- Containers
- Google
- Legacy

Pixel 28 AppTheme Default (en-us) 33% Attributes

Ab recipeTitleTextView TextView

nextFocusUp numeric onClick overScrollMode

padding

- padding
- paddingLeft
- paddingTop @dimen/textPadding_10dp
- paddingRight
- paddingBottom
- password
- phoneNumber
- privateImeOptions
- requiresFadingEdge
- rotation
- rotationX
- rotationY
- saveEnabled
- scaleX
- scaleY
- scrollHorizontally
- scrollX
- scrollY
- scrollbarAlwaysDraw
- scrollbarAlwaysDraw
- scrollbarDefaultDela 400
- scrollbarFadeDuratio 250
- scrollbarSize 4dp
- scrollbarStyle
- scrollbarThumbHoriz @android:drawable(scroll)
- scrollbarThumbVerti @android:drawable(scroll)
- scrollbarTrackHorizo @null

Component Tree

LinearLayout(vertical)

Ab recipeTitleTextView- "@strin..."

Design Text

Bruschetta Recipe

Bruschetta Recipe

Use the resource manager to select the bottom padding attribute

Device File Explorer

HealthyRecipes app src main res layout recipe.xml

1:Project

Resource Manager

2:Structure

Build Variants

Layout Captures

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

activity_main.xml recipe.xml Recipe.java MainActivity.java

Attributes

Name: textPadding_10dp

Default 10dp

textPadding_10dp 10dp

Select this dimension resource for the bottom padding

Then click OK

OK Cancel

Device File Explorer

TODO Terminal Build Logcat Event Log

Source generation ended in 516 ms (7 minutes ago)

The screenshot shows the Android Studio interface with the project 'HealthyRecipes' open. The 'Resources' dialog is displayed, showing a list of dimension resources. A yellow callout box points to the 'textPadding_10dp' entry, which is highlighted with a blue selection bar. Another yellow callout box below it says 'Select this dimension resource for the bottom padding'. At the bottom right of the dialog, there is an 'OK' button with a yellow arrow pointing to it, and a 'Cancel' button. To the right of the dialog, the 'Attributes' panel is visible, showing various properties for a TextView component, such as 'nextFocusUp', 'numeric', 'onClick', 'overScrollMode', 'padding', 'paddingBottom', and others. The preview window on the right shows a dark blue screen with the text 'Netta Recipe'.

HealthyRecipes app src main res layout recipe.xml

1:Project

app manifests java edu.udayton.healthyrecipes MainActivity Recipe edu.udayton.healthyrecipes (androidTest) edu.udayton.healthyrecipes (test) generatedJava res drawable layout mipmap values Gradle Scripts

Resource Manager

2:Structure

3:Favorites

Build Variants

Layout Captures

Design Text

Attributes

Ab recipeTitleTextView TextView

focusableInTouchMode

fontFamily

foreground

gravity

hapticFeedbackEnabled

height

hint

id recipeTitleTextView

imeActionId

imeActionButton

imeOptions

includeFontPadding

inputMethod

inputType

isScrollContainer

keepScreenOn

lastBaselineToBottom

layerType

layout_gravity

layout_height wrap_content

layout_margin [?, ?, ?, ?, ?]

layout_weight

layout_width match_parent

lineHeight

lineSpacingExtra

lineSpacingMultiplier

lines

linksClickable

longClickable

marqueeRepeatLimit

Pixel 28 AppTheme Default (en-us) 33% Attributes

Bruschetta Recipe

android:gravity:
Specifies how an object should position its content, on both the X and Y axes, within its own bounds.

Click this arrow to expand the gravity attribute

Component Tree

LinearLayout(vertical)

Ab recipeTitleTextView- "@strin...

Device File Explorer

HealthyRecipes [C:\Users\nbashias1\Documents\AndroidStudioProjects\HealthyRecipes] - ...\\app\\src\\main\\res\\layout\\recipe.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HealthyRecipes app src main res layout recipe.xml

1:Project

app manifests java edu.udayton.healthyrecipes MainActivity Recipe edu.udayton.healthyrecipes (androidTest) edu.udayton.healthyrecipes (test) generatedJava res drawable layout mipmap values Gradle Scripts

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Design Text

Activity_main.xml recipe.xml Recipe.java MainActivity.java

Palette

Common Ab TextView

Text Button

Buttons ImageView

Widgets RecyclerView

Layouts <> <fragment>

Containers ScrollView

Google Switch

Legacy

Component Tree

LinearLayout(vertical)

Ab recipeTitleTextView- "@strin..."

Pixel 28 AppTheme Default (en-us) 33%

Attributes

Ab recipeTitleTextView TextView

focusableInTouchMode

fontFamily

foreground

foregroundGravity

freezesText

gravity center

bottom

clip_horizontal

center

clip_vertical

start

top

left

center_vertical

fill_vertical

end

hapticFeedbackEnabled

height

hint

id recipeTitleTextView

imeActionId

imeActionLabel

imeOptions

includeFontPadding

inputMethod

inputType

isScrollContainer

keepScreenOn

Check this box to center the text in the TextView

Device File Explorer

TODO Terminal Build Logcat

Source generation ended in 516 ms (7 minutes ago)

Event Log

The screenshot shows the Android Studio interface with the project 'HealthyRecipes' open. The 'layout' directory contains the XML file 'recipe.xml'. The layout editor displays a single TextView with the text 'Bruschetta Recipe'. In the 'Attributes' panel, the 'center' checkbox is selected. A yellow callout box with the text 'Check this box to center the text in the TextView' points to this checkbox. The 'Design' tab is selected at the bottom.

For the *Ingredients title*, we add a *TextView* with:

1. the unique ID '*ingredientsTitleTextView*'
2. the text '*Ingredients*' (to be added as a string resource)
3. black (Android system) text color
4. text size = *22sp* (to be added as a dimension resource)

The screenshot shows the Android Studio interface with the project 'HealthyRecipes' open. The 'recipe.xml' layout file is selected in the top navigation bar. The left sidebar shows the project structure, including the 'app' module with its Java and XML files. The main area displays the layout editor. A yellow callout box highlights the 'Ab TextView' item in the palette, which is used to add a text view to the layout. The layout preview shows a blue header bar with the text 'Bruschetta Recipe'. The component tree on the left shows a single LinearLayout containing an Ab recipeTitleTextView component.

HealthyRecipes [C:\Users\nbashias1\Documents\AndroidStudioProjects\HealthyRecipes] - ...\\app\\src\\main\\res\\layout\\recipe.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HealthyRecipes app src main res layout recipe.xml

1:Project

app manifests java edu.udayton.healthyrecipes MainActivity Recipe edu.udayton.healthyrecipes (androidTest) edu.udayton.healthyrecipes (test) generatedJava res drawable layout mipmap values Gradle Scripts

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

TODO Terminal Build Logcat

Source generation ended in 516 ms (8 minutes ago)

Event Log

activity_main.xml recipe.xml Recipe.java MainActivity.java

Pixel 28 AppTheme Default (en-us) 33%

Attributes

Ab recipeTitleTextView TextView

focusableInTouchMode

fontFamily

foreground

foregroundGravity

freezesText

gravity center

bottom

clip_horizontal

center

clip_vertical

start

right

center_horizontal

fill

fill_horizontal

top

left

center_vertical

fill_vertical

end

hapticFeedbackEnabled

height

hint

id recipeTitleTextView

imeActionId

imeActionLabel

imeOptions

includeFontPadding

inputMethod

inputType

isScrollContainer

keepScreenOn

Palette

Common Ab TextView

Text Button

Buttons ImageView

Widgets RecyclerView

Layouts <> <fragment>

Containers ScrollView

Google Switch

Legacy

Add to Design

Favorite

Android Documentation Shift+F1

Material Guidelines

The new TextView will appear directly below the title TextView

Bruschetta Recipe

Bruschetta Recipe

Component Tree

LinearLayout(vertical)

Ab recipeTitleTextView- "@strin..."

Design Text

Device File Explorer

HealthyRecipes [C:\Users\nbashias1\Documents\AndroidStudioProjects\HealthyRecipes] - ...\\app\\src\\main\\res\\layout\\recipe.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HealthyRecipes app src main res layout recipe.xml

1:Project

app manifests java edu.udayton.healthyrecipes MainActivity Recipe edu.udayton.healthyrecipes (androidTest) edu.udayton.healthyrecipes (test) generatedJava res drawable layout mipmap values Gradle Scripts

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Design Text

Activity_main.xml recipe.xml Recipe.java MainActivity.java

Palette

Common Ab TextView

Text Button

Buttons ImageView

Widgets RecyclerView

Layouts <> <fragment>

Containers ScrollView

Google Switch

Legacy

Component Tree

LinearLayout(vertical)

Ab recipeTitleTextView- "@string/recipe_title"

Ab ingredientsTitleTextView- ... A

Pixel 28 AppTheme Default (en-us) 33% Attributes

Change the TextView's ID

Declared Attributes

Layout

layout_width match_parent

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

text TextView

text

contentDescription

textAppearance @android:style/TextAp

fontFamily

typeface

textSize 14sp

lineSpacingExtra

textColor @android:color/secondary

textStyle B I Tr

All Attributes

alpha

autoLink

autoSizeMaxTextSize

autoSizeMinTextSize

autoSizePresetSizes

autoSizeStepGranul

autoSizeTextType

autoText

background

bufferType

Device File Explorer

TODO Terminal Build Logcat 1 Event Log

Source generation ended in 516 ms (8 minutes ago)

HealthyRecipes [C:\Users\nbashias1\Documents\AndroidStudioProjects\HealthyRecipes] - ...\\app\\src\\main\\res\\layout\\recipe.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HealthyRecipes app src main res layout recipe.xml

1:Project

app manifests java edu.udayton.healthyrecipes MainActivity Recipe edu.udayton.healthyrecipes (androidTest) edu.udayton.healthyrecipes (test) generatedJava res drawable layout mipmap values Gradle Scripts

Resource Manager

2:Structure

Layout Captures

Build Variants

2:Favorites

Component Tree

LinearLayout(vertical)

Ab recipeTitleTextView- "@string/recipe_title" Ab ingredientsTitleTextView- ... A

Design Text

Pixel 28 AppTheme Default (en-us) 33% Attributes

Ab ingredientsTitleTextView TextView id ingredientsTitleTextView Declared Attributes Layout

layout_width match_parent layout_height wrap_content layout_weight visibility visibility Common Attributes

text TextView text contentDescription textAppearance textAppearance fontFamily typeface textSize lineSpacingExtra textColor textStyle All Attributes alpha autoLink autoSizeMaxTextSize autoSizeMinTextSize autoSizePresetSizes autoSizeStepGranularity autoSizeTextType autoText background bufferType

Use the Resource manager to add a string resource for the sub-title text

HealthyRecipes app src main res layout recipe.xml

1:Project

Resource Manager

2:Structure

Build Variants

Layout Captures

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

activity_main.xml recipe.xml Recipe.java MainActivity.java

Attributes

Ab ingredientsTitleTextView
id ingredientsTitleTextView

Declared Attributes

Layout

Common Attributes

text TextView

All Attributes

alpha

autoLink

autoSizeMaxTextSize

autoSizeMinTextSize

autoSizePresetSizes

autoSizeStepGranularity

autoSizeTextType

autoText

background

bufferType

33% + - A

Add new resource ▾ New string Value...

Select the 'New string Value...' option from the 'Add new resource' menu

Resources

Project

app_name Healthy Recipes

btnRecipeHint Click to see Bruschetta recipe

btnRecipeText View Recipe

txtBruschettalImage Bruschetta Picture

txtTitle Bruschetta Recipe

android

VideoView_error_button OK

VideoView_error_text_invalid_progress Hierdie video is nie geldig vir stro...

VideoView_error_text_unknown Kan nie hierdie video speel nie.

VideoView_error_title Videoprobleem

autofill Outovul

cancel Kanselleer

copy Kopieer

copyUrl Kopieer URL

cut Sny

defaultMsisdnAlphaTag MSISDN1

defaultVoiceMailAlphaTag Stemboodskap

dialog_alert_title Aandag

emptyPhoneNumber (Geen foornommer)

fingerprintIcon content description Vingerafdrukkoon

No Preview

OK Cancel

Design Text

TODO Terminal Build Logcat

Source generation ended in 516 ms (8 minutes ago)

Event Log



The screenshot shows the Android Studio interface for creating a new string resource. A tooltip provides three steps:

1. Type the Resource name (highlighting the "txtIngredientsTitle" input field)
2. Type the Resource value (string) (highlighting the "Ingredients" input field)
3. Click OK (highlighting the "OK" button)

The "Resources" dialog is open, showing a list of existing resources like "app_name" and "btnRecipeHint". The "Attributes" panel on the right shows the properties for the "txtIngredientsTitle" TextView, including "text" set to "Ingredients".

Resource name	Resource value	Source set
txtIngredientsTitle	Ingredients	main

Attributes for txtIngredientsTitleTextView:

- id: ingredientsTitleTextView
- layout_width: match_parent
- layout_height: wrap_content
- text: Ingredients

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HealthyRecipes app src main res layout recipe.xml

1:Project

Android

app manifests java edu.udayton.healthyrecipes MainActivity Recipe edu.udayton.healthyrecipes (androidTest) edu.udayton.healthyrecipes (test) generatedJava res drawable layout mipmap values Gradle Scripts

Resource Manager

2:Structure

Layout Captures

Build Variants

2:Favorites

Component Tree

LinearLayout(vertical)

Ab recipeTitleTextView- "@string/

Ab ingredientsTitleTextView

Palette

Common Ab TextView

Text Button

Buttons ImageView

Widgets RecyclerView

Layouts <> <fragment>

Containers ScrollView

Legacy Switch

Attributes

Ab ingredientsTitleTextView

id ingredientsTitleTextView

Declared Attributes

Layout

layout_width match_parent

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

text @string/txtIngredientsTitle

text

contentDescription

textAppearance @android:style/TextAp

fontFamily

typeface

textSize 14sp

lineSpacingExtra

textColor @android:color/secondary

textStyle

All Attributes

alpha

autoLink

autoSizeMaxTextSize

autoSizeMinTextSize

autoSizePresetSizes

autoSizeStepGranul

autoSizeTextType

autoText

background

bufferType

Bruschetta Recipe

Ingredients

Bruschetta Recipe

Ingredients

Use the Resource manager to add a dimension resource for the Ingredients title text size

Design Text

The screenshot shows the Android Studio interface with the project "HealthyRecipes" open. The "recipe.xml" layout file is selected in the top navigation bar. A context menu is displayed over the "Add new resource" button in the "Resources" dialog, with the option "New dimen Value..." highlighted by a yellow arrow and a callout bubble.

Select the 'New dimen Value...' option from the 'Add new resource' menu

The "Resources" dialog lists various dimension resources:

Resource Name	Value
btnRecipeTextSize	30sp
textPadding_10dp	10dp
titleTextSize	40sp
android	
app_icon_size	48dip
dialog_min_width_major	55%
dialog_min_width_minor	80%
notification_large_icon_height	64dp
notification_large_icon_width	64dp
thumbnail_height	360dp
thumbnail_width	360dp
Theme attributes	
actionBarSize	
dialogCornerRadius	
dialogPreferredPadding	
listPreferredItemPaddingLeft	
listPreferredItemPaddingRight	

The right-hand panel displays the properties for the selected "ingredientsTitleTextView" (id: ingredientsTitleTextView) in the layout:

- Attributes:
 - Ab ingredientsTitleTextView
 - id ingredientsTitleTextView
- Declared Attributes:
 - layout_width match_parent
 - layout_height wrap_content
 - layout_weight
 - visibility
 - visibility
- Layout:
 - layout_width match_parent
 - layout_height wrap_content
 - layout_weight
 - visibility
 - visibility
- Common Attributes:
 - text @string/txtIngredientsTitle
 - text
 - contentDescription
 - textAppearance @android:style/TextAp
 - fontFamily
 - typeface
 - textSize 14sp
 - lineSpacingExtra
 - textColor @android:color/secondary
 - textStyle B I Tr
- All Attributes:
 - alpha
 - autoLink
 - autoSizeMaxTextSize
 - autoSizeMinTextSize
 - autoSizePresetSizes
 - autoSizeStepGranul
 - autoSizeTextType
 - autoText
 - background
 - bufferType

At the bottom of the interface, there are tabs for "Design" and "Text", and a status bar showing "Source generation ended in 516 ms (9 minutes ago)".



The screenshot shows the Android Studio interface for a project named "HealthyRecipes". The "recipe.xml" file is open in the layout editor. A floating dialog box titled "New Dimension Value Resource" is displayed, prompting the user to enter a resource name, value, and source set. The "Resource name" field contains "ingredientsTitleTextSize", the "Resource value" field contains "22sp", and the "Source set" dropdown is set to "m". The "OK" button at the bottom right of the dialog is highlighted with a yellow arrow and the instruction "3. Click OK". In the background, the "Attributes" panel on the right shows the properties for the "ingredientsTitleTextView" element, including its ID and text content. The "Design" tab is selected at the bottom of the layout editor.

1. Type the Resource name

2. Type the Resource value (dimension)

3. Click OK

Attributes

Ab ingredientsTitleTextView
id ingredientsTitleTextView

Declared Attributes

Layout

Common Attributes

All Attributes

Resource

Add new resource

Project

btnRecipeTextSize 30sp

textPadding_10dp 10dp

titleTextSize 40sp

android

app_icon_size 48dip

dialog_min_width_major 55%

dialog_min_width_minor 80%

notification_large_icon_height 64dp

notification_large_icon_width 64dp

thumbnail_height 360dp

thumbnail_width 360dp

Theme attributes

actionBarSize

dialogCornerRadius

dialogPreferredPadding

listPreferredItemPaddingLeft

listPreferredItemPaddingRight

New Dimension Value Resource

Resource name: ingredientsTitleTextSize

Resource value: 22sp

Source set: m

OK Cancel

No Preview

HealthyRecipes [C:\Users\nbashias1\Documents\AndroidStudioProjects\HealthyRecipes] - ...\\app\\src\\main\\res\\layout\\recipe.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HealthyRecipes app src main res layout recipe.xml

1:Project

Resource Manager

2:Structure

Layout Captures

Build Variants

Favorites

Activity_main.xml recipe.xml Recipe.java MainActivity.java

Attributes

Ab ingredientsTitleTextView
id ingredientsTitleTextView

Declared Attributes

Layout

layout_width match_parent
layout_height wrap_content
layout_weight
visibility
✓ visibility

Common Attributes

text @string/txtIngredientsTitle
✓ text
contentDescription
✓ textAppearance @android:style/TextAp...
fontFamily
typeface
textSize ingredientsTitleTextSize
lineSpacingExtra
textColor @android:color/secondary
textStyle B I Tr

All Attributes

alpha
autoLink
autoSizeMaxTextSize
autoSizeMinTextSize
autoSizePresetSizes
autoSizeStepGranul...
autoSizeTextType
autoText
background
bufferType

Bruschetta Recipe

Ingredients

Bruschetta Recipe

Ingredients

Component Tree

LinearLayout(vertical)
Ab recipeTitleTextView- "@strin...
Ab ingredientsTitleTextView- "@..."

Design Text

TODO Terminal Build Logcat

Event Log

Source generation ended in 516 ms (10 minutes ago)

Use the Resource manager to set the text color to black

The screenshot shows the Android Studio layout editor for a 'recipe.xml' file. The layout features a title 'Bruschetta Recipe' and a section labeled 'Ingredients'. In the attributes panel, the 'textColor' attribute for the 'ingredientsTitleTextView' is set to a secondary color. A yellow callout box with the text 'Use the Resource manager to set the text color to black' points to this attribute.

HealthyRecipes app src main res layout recipe.xml

1:Project

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

activity_main.xml recipe.xml Recipe.java MainActivity.java

Attributes

Ab ingredientsTitleTextView
id ingredientsTitleTextView

Declared Attributes

Layout

layout_width match_parent
layout_height wrap_content
layout_weight
visibility
visibility

Common Attributes

text @string/txtIngredientsTitle
text
contentDescription
textAppearance @android:style/TextAp
fontFamily
typeface
textSize ingredientsTitleTextSize
lineSpacingExtra
textColor @android:color/secondary
textStyle B I Tr

All Attributes

alpha
autoLink
autoSizeMaxTextSize
autoSizeMinTextSize
autoSizePresetSizes
autoSizeStepGranularity
autoSizeTextType
autoText
background
bufferType

OK Cancel

No Preview

Click this triangle to expand the android system colors

Resources

Project

colorAccent
colorPrimary
colorPrimaryDark

Design Text

33%

Netta Recipe

TODO Terminal Build Logcat Event Log

Source generation ended in 516 ms (10 minutes ago)

HealthyRecipes app src main res layout recipe.xml

1:Project

Resource Manager

2:Structure

Layout Captures

Build Variants

2:Favorites

Layout Editor

activity_main.xml recipe.xml Recipe.java MainActivity.java

Attributes

Name: black

Declared Attributes

Layout

Common Attributes

All Attributes

OK Cancel

Select the black Android system color

Then click OK

Background color preview

Color palette

Project tree

Resource list

Code editor

Design Text

TODO Terminal Build Logcat

Event Log

The screenshot shows the Android Studio interface with the project "HealthyRecipes" open. In the center, the "Resources" dialog is displayed, showing a color selection interface. A yellow callout box points to the "black" color swatch in the list, with the text "Select the black Android system color". Another yellow callout box points to the "OK" button at the bottom right of the dialog, with the text "Then click OK". The "background" attribute of the "ingredientsTitleTextView" in the "recipe.xml" layout file is being edited, set to "@android:color/black". The "Declared Attributes" section of the "Attributes" panel shows the "text" attribute set to "@string/txtIngredientsTitle". The "Layout" section shows the "layout_width" and "layout_height" attributes. The "Common Attributes" section includes "textSize", "lineSpacingExtra", "textColor", and "textStyle". The "All Attributes" section lists other attributes like "alpha", "autoLink", and "background". The "Design" tab is selected at the bottom.

HealthyRecipes [C:\Users\nbashias1\Documents\AndroidStudioProjects\HealthyRecipes] - ...\\app\\src\\main\\res\\layout\\recipe.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HealthyRecipes app src main res layout recipe.xml

1:Project

app manifests java edu.udayton.healthyrecipes MainActivity Recipe edu.udayton.healthyrecipes (androidTest) edu.udayton.healthyrecipes (test) generatedJava res drawable layout mipmap values Gradle Scripts

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Design Text

Activity_main.xml recipe.xml Recipe.java MainActivity.java

Palette

Common Ab TextView

Text Button

Buttons ImageView

Widgets RecyclerView

Layouts <> <fragment>

Containers ScrollView

Google Switch

Legacy

Component Tree

LinearLayout(vertical)

Ab recipeTitleTextView- "@string/recipe_title"

Ab ingredientsTitleTextView- "@string/ingredients_title"

Pixel 28 AppTheme Default (en-us) 33%

Attributes

Ab ingredientsTitleTextView TextView

onClick

overScrollMode

padding [?, ?, ?, ?]

password

phoneNumber

privateImeOptions

requiresFadingEdge

rotation

rotationX

rotationY

saveEnabled

scaleX

scaleY

scrollHorizontally

scrollIX

scrollLY

scrollbarAlwaysDraw

scrollbarAlwaysDraw

scrollbarDefaultDela 400

scrollbarFadeDuratio 250

scrollbarSize 4dp

scrollbarStyle

scrollbarThumbHoriz @android:drawable(scroll)

scrollbarThumbVerti @android:drawable(scroll)

scrollbarTrackHorizo @null

scrollbarTrackVertica @android:drawable/confi

scrollbars

selectAllOnFocus

shadowColor

shadowDx

shadowDy

shadowRadius

Device File Explorer

Bruschetta Recipe

Ingredients Ingredients

Scroll down to and click this arrow to expand the padding attribute group

Source generation ended in 516 ms (10 minutes ago)

Event Log

HealthyRecipes [C:\Users\nbashias1\Documents\AndroidStudioProjects\HealthyRecipes] - ...\\app\\src\\main\\res\\layout\\recipe.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HealthyRecipes app src main res layout recipe.xml

1:Project

Resource Manager

2:Structure

Build Variants

Layout Captures

2: Favorites

Activity_main.xml recipe.xml Recipe.java MainActivity.java

Attributes

Ab ingredientsTitleTextView

onClick

overScrollMode

padding

paddingLeft

paddingTop

paddingRight

paddingBottom

password

phoneNumber

privateMeOptions

requiresFadingEdge

rotation

rotationX

rotationY

saveEnabled

scaleX

scaleY

scrollHorizontally

scrollIIX

scrollIY

scrollbarAlwaysDraw

scrollbarAlwaysDraw

scrollbarDefaultDela

scrollbarFadeDuratio

scrollbarSize

scrollbarStyle

scrollbarThumbHoriz

scrollbarThumbVerti

scrollbarTrackHorizo

scrollbarTrackVertica

scrollbars

33%

Pixel 28 AppTheme Default (en-us)

Bruschetta Recipe

Ingredients

Bruschetta Recipe

Ingredients

Component Tree

LinearLayout(vertical)

Ab recipeTitleTextView- "@string/recipe_title"

Ab ingredientsTitleTextView- "@string/ingredients_title"

Design Text

TODO Terminal Build Logcat

Event Log

Source generation ended in 516 ms (10 minutes ago)

Use the resource manager to select the top padding attribute

The screenshot shows the Android Studio layout editor for a 'Bruschetta Recipe' screen. The layout features a title bar with the text 'Bruschetta Recipe' and a main content area containing a section titled 'Ingredients'. In the attributes panel on the right, the 'padding' attribute is currently selected, highlighted with a yellow arrow and a tooltip that reads 'Use the resource manager to select the top padding attribute'. The component tree on the left shows a vertical LinearLayout containing two TextView components. The bottom tab of the editor is set to 'Design'.



Resources

Add new resource

Project		Name:	textPadding_10dp
btnRecipeTextSize	30sp	Default	10dp
ingredientsTitleTextSize	22sp		
textPadding_10dp	10dp		
titleTextSize	40sp		
android			
app_icon_size	48dip		
dialog_min_width_major	55%		
dialog_min_width_minor	80%		
notification_large_icon_height	64dp		
notification_large_icon_width	64dp		
thumbnail_height	360dp		
thumbnail_width	360dp		
Theme attributes			
actionBarSize			
dialogCornerRadius			
dialogPreferredPadding			
listPreferredItemPaddingLeft			
listPreferredItemPaddingRight			

Select this dimension resource for the top padding

Then click OK

OK Cancel

Attributes

Ab ingredientsTitleTextView
onClick overScrollMode
padding [?, ?, ?, ?]
paddingLeft
paddingTop
paddingRight
paddingBottom
password
phoneNumber
privateImeOptions
requiresFadingEdge
rotation
rotationX
rotationY
saveEnabled
scaleX
scaleY
scrollHorizontally
scrollI
scrollL
scrollbarAlwaysDraw
scrollbarAlwaysDraw
scrollbarDefaultDelt
scrollbarFadeDurati
scrollbarSize
scrollbarStyle
scrollbarThumbHoriz
scrollbarThumbVerti
scrollbarTrackHorizo
scrollbarTrackVertica
scrollbars

Design Text

HealthyRecipes [C:\Users\nbashias1\Documents\AndroidStudioProjects\HealthyRecipes] - ...\\app\\src\\main\\res\\layout\\recipe.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HealthyRecipes app src main res layout recipe.xml

1:Project

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

TODO Terminal Build Logcat

Source generation ended in 516 ms (11 minutes ago)

Event Log

Android

activity_main.xml recipe.xml Recipe.java MainActivity.java

Palette

Common Ab TextView

Text Button

Buttons ImageView

Widgets RecyclerView

Layouts <> <fragment>

Containers ScrollView

Google Switch

Legacy

Attributes

Ab ingredientsTitleTextView

onClick

overScrollMode

padding

paddingLeft

paddingTop

paddingRight

paddingBottom

password

phoneNumber

privateMeOptions

requiresFadingEdge

rotation

rotationX

rotationY

saveEnabled

scaleX

scaleY

scrollHorizontally

scrollIX

scrollY

scrollbarAlwaysDraw

scrollbarAlwaysDraw

scrollbarDefaultDelta

scrollbarFadeDuration

scrollbarSize

scrollbarStyle

scrollbarThumbHorizontal

scrollbarThumbVertical

scrollbarTrackHorizontal

scrollbarTrackVertical

scrollbars

Pixel 28 AppTheme Default (en-us) 33% Attributes

Bruschetta Recipe

Ingredients

Bruschetta Recipe

Ingredients

Use the resource manager to add the left padding (for indentation)

Component Tree

LinearLayout(vertical)

Ab recipeTitleTextView- "@string/recipe_title"

Ab ingredientsTitleTextView- "@string/ingredients_title"

Design Text

Device File Explorer

HealthyRecipes app src main res layout recipe.xml

1:Project

Resource Manager

2:Structure

3:Favorites

Build Variants

Layout Captures

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

activity_main.xml recipe.xml Recipe.java MainActivity.java

Attributes

Add new resource ▾ New dimen Value...

We want less padding for the sub-title's indentation, so we need to add a new dimension resource

Resources

No Preview

OK Cancel

Design Text

Attributes

- Ab ingredientsTitleTextView
- onClick
- overScrollMode
- padding
- paddingLeft
- paddingTop
- paddingRight
- paddingBottom
- password
- phoneNumber
- privateImeOptions
- requiresFadingEdge
- rotation
- rotationX
- rotationY
- saveEnabled
- scaleX
- scaleY
- scrollHorizontally
- scrollX
- scrollY
- scrollbarAlwaysDraw
- scrollbarAlwaysDraw
- scrollbarDefaultDelta
- scrollbarFadeDuration
- scrollbarSize
- scrollbarStyle
- scrollbarThumbHorizontal
- scrollbarThumbVertical
- scrollbarTrackHorizontal
- scrollbarTrackVertical
- scrollbars

Gradle

Device File Explorer

btnRecipeTextSize 30sp

ingredientsTitleTextSize 22sp

textPadding_10dp 10dp

titleTextSize 40sp

android

app_icon_size 48dip

dialog_min_width_major 55%

dialog_min_width_minor 80%

notification_large_icon_height 64dp

notification_large_icon_width 64dp

thumbnail_height 360dp

thumbnail_width 360dp

Theme attributes

actionBarSize

dialogCornerRadius

dialogPreferredPadding

listPreferredItemPaddingLeft

listPreferredItemPaddingRight

The screenshot shows the Android Studio interface with the project "HealthyRecipes" open. The "recipe.xml" file is selected in the top navigation bar. The left sidebar displays the project structure, showing the "app" module with its sub-directories: manifests, java, res, and generatedJava. The "res" directory is expanded, showing drawable, layout, mipmap, and values. The "values" directory is also expanded, showing files like strings.xml and colors.xml.

The main workspace shows the "Resources" editor for the "values" directory. A search bar at the top has the placeholder "Add new resource". Below it is a table with columns for "Project" and "Value". Several entries are listed, such as "btnRecipeTextSize" (30sp), "ingredientsTitleTextSize" (22sp), "textPadding_10dp" (10dp), and "titleTextSize" (40sp). To the right of the table is a preview area showing a blue header with the text "Netta Recipe".

A modal dialog titled "New Dimension Value Resource" is open in the center. It contains three fields: "Resource name:" with the value "textPadding_5dp", "Resource value:" with the value "5dp", and "Source set:" with the value "dimen". A yellow callout box labeled "1. Type the Resource name" points to the "Resource name:" field. Another yellow callout box labeled "2. Type the Resource value (dimension)" points to the "Resource value:" field. A third yellow callout box labeled "3. Click OK" points to the "OK" button at the bottom of the dialog. The "OK" button is highlighted with a blue arrow.

The right side of the screen shows the "Attributes" panel, which lists various XML attributes and their values. Some attributes have dropdown menus or checkboxes next to them.

The screenshot shows the Android Studio interface for a project named "HealthyRecipes". The "recipe.xml" layout file is open in the main editor area. The layout consists of a title bar with "Bruschetta Recipe" and a section titled "Ingredients". The "Design" tab is selected at the bottom.

The "Attributes" panel on the right shows the properties for the "Ab ingredientsTitleTextView" element. The "paddingLeft" attribute is highlighted with a red border, and a yellow callout box with an arrow points to the "Resource Manager" icon in the Project tool window, with the text "Use the resource manager to select the bottom padding attribute".

The "Component Tree" panel shows the structure of the layout:

- LinearLayout(vertical)
 - Ab recipeTitleTextView- "@string..."
 - Ab ingredientsTitleTextView- ... A

The "Project" tool window on the left shows the project structure:

- app
 - manifests
 - java
 - edu.udayton.healthyrecipes
 - MainActivity
 - Recipe
 - edu.udayton.healthyrecipes (androidTest)
 - edu.udayton.healthyrecipes (test)
 - generatedJava
 - res
 - drawable
 - layout
 - mipmap
 - values
- Gradle Scripts

The "Resource Manager" icon is located in the "Project" tool window under the "app\\java\\edu.udayton.healthyrecipes" section.



HealthyRecipes > app > src > main > res > layout > recipe.xml

1:Project

Resource Manager

2:Structure

Build Variants

Layout Captures

1:Project

2:Structure

Build Variants

Layout Captures

activity_main.xml recipe.xml Recipe.java MainActivity.java

Attributes

Name: textPadding_10dp

Default: 10dp

paddingBottom: @dimen/textPadding_5dp

OK Cancel

Select this dimension resource for the bottom padding

Then click OK

Resources

Project	
btnRecipeTextSize	30sp
ingredientsTitleTextSize	22sp
textPadding_10dp	10dp
textPadding_5dp	5dp
titleTextSize	40sp
android	
app_icon_size	48dip
dialog_min_width_major	55%
dialog_min_width_minor	80%
notification_large_icon_height	64dp
notification_large_icon_width	64dp
thumbnail_height	360dp
thumbnail_width	360dp
Theme attributes	
actionBarSize	
dialogCornerRadius	
dialogPreferredPadding	
listPreferredItemPaddingLeft	
listPreferredItemPaddingRight	

Device File Explorer

The screenshot shows the Android Studio interface with the project 'HealthyRecipes' open. The 'layout' directory contains the file 'recipe.xml'. A context menu is open over the 'paddingBottom' attribute in the 'Attributes' panel, which is set to '@dimen/textPadding_5dp'. A yellow callout box with the text 'Select this dimension resource for the bottom padding' has an arrow pointing to the 'textPadding_10dp' entry in the 'Resources' dialog. Another yellow callout box with the text 'Then click OK' has an arrow pointing to the 'OK' button at the bottom of the 'Resources' dialog. The 'Resources' dialog also shows other dimension resources like 'textPadding_5dp' and 'titleTextSize'. The 'Design' tab of the XML editor is selected.



HealthyRecipes > app > src > main > res > layout > recipe.xml

1:Project 2:Resource Manager 3:Layout Captures 4:Build Variants 5:Favorites

For each ingredient, we'll add a TextView with:

1. a unique ID 'ingredient?TextView', where ? is the ingredient number (i.e., 1, 2, 3 or 4)
2. the text for that ingredient
3. black text color
4. text size = 18sp (to be added as a dimension resource for the first ingredient, then used for each of the rest)

Bruschetta Recipe

Ingredients

Ab ingredientsTitleTextView

Attributes

Ab ingredientsTitleTextView	TextView
onClick	
overScrollMode	
padding	[?, @dimen/textPadding_5dp, @c]
paddingLeft	@dimen/textPadding_5dp
paddingTop	@dimen/textPadding_10dp
paddingRight	
paddingBottom	@dimen/textPadding_10dp
password	
phoneNumber	
privateImeOptions	
requiresFadingEdge	
rotation	
rotationX	
rotationY	
saveEnabled	
scaleX	
scaleY	
scrollHorizontally	
scrollI	
scrollY	
scrollbarAlwaysDraw	
scrollbarAlwaysDraw	
scrollbarDefaultDelt	400
scrollbarFadeDuratio	250
scrollbarSize	4dp
scrollbarStyle	
scrollbarThumbHoriz	@android:drawable/scroll
scrollbarThumbVerti	@android:drawable/scroll
scrollbarTrackHorizo	@null
scrollbarTrackVertica	@android:drawable/confi
scrollbars	

Component Tree

- LinearLayout(vertical)
 - Ab recipeTitleTextView- "@string/recipe_title"
 - Ab ingredientsTitleTextView- ... A

Design Text

HealthyRecipes [C:\Users\nbashias1\Documents\AndroidStudioProjects\HealthyRecipes] - ...\\app\\src\\main\\res\\layout\\recipe.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HealthyRecipes app src main res layout recipe.xml

1:Project

Java

edu.udayton.healthyrecipes

MainActivity

Recipe

edu.udayton.healthyrecipes (androidTest)

edu.udayton.healthyrecipes (test)

generatedJava

res

drawable

layout

mipmap

values

Gradle Scripts

Resource Manager

2: Favorites

Layout Captures

Build Variants

2: Structure

TODO Terminal Build Logcat

Source generation ended in 516 ms (12 minutes ago)

activity_main.xml recipe.xml Recipe.java MainActivity.java

Pixel 28 AppTheme Default (en-us) 33%

Attributes

Ab <unnamed> TextView

onClick overScrollMode

padding [?, ?, ?, ?]

password phoneNumber

privateImeOptions

requiresFadingEdge rotation

rotationX rotationY

saveEnabled scaleX

scaleY scrollHorizontally

scrollIX scrollY

scrollbarAlwaysDraw scrollbarDefaultDelay

scrollbarFadeDuration scrollbarSize

scrollbarStyle scrollbarThumbHorizontal

scrollbarThumbVertical scrollbarTrackHorizontal

scrollbarTrackVertical scrollbars

selectAllOnFocus shadowColor

shadowDx shadowDy

shadowRadius

Gradle

Palette

Common Ab TextView Add to Design ✓ Favorite

Text Button

Buttons ImageView

Widgets RecyclerView

Layouts ScrollView

Containers Switch

Google

Legacy

Component Tree

LinearLayout(vertical)

Ab recipeTitleTextView- "@string/recipe_title"

Ab ingredientsTitleTextView- ... A

The new TextView will appear directly below the Ingredients title

Bruschetta Recipe

Ingredients

Bruschetta Recipe

Ingredients

Design Text

Event Log

HealthyRecipes [C:\Users\nbashias1\Documents\AndroidStudioProjects\HealthyRecipes] - ...app\src\main\res\layout\recipe.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HealthyRecipes app src main res layout recipe.xml

1:Project

app manifests java edu.udayton.healthyrecipes MainActivity Recipe edu.udayton.healthyrecipes (androidTest) edu.udayton.healthyrecipes (test) generatedJava res drawable layout mipmap values Gradle Scripts

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Design Text

Activity_main.xml recipe.xml Recipe.java MainActivity.java

Palette

Common Ab TextView

Text Button

Buttons ImageView

Widgets RecyclerView

Layouts <> <fragment>

Containers ScrollView

Google Switch

Legacy

Component Tree

LinearLayout(vertical)

Ab recipeTitleTextView- "@string/recipe_title"

Ab ingredientsTitleTextView- ... A

Ab ingredient1TextView- "Text"

Pixel 28 AppTheme Default (en-us) 33% Attributes

Change the TextView's ID

Ab ingredient1TextView

Declared Attributes

Layout

layout_width match_parent

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

text TextView

text

contentDescription

textAppearance @android:style/TextAp

fontFamily

typeface

textSize 14sp

lineSpacingExtra

textColor @android:color/secondary

textStyle B I Tr

All Attributes

alpha

autoLink

autoSizeMaxTextSize

autoSizeMinTextSize

autoSizePresetSizes

autoSizeStepGranul

autoSizeTextType

autoText

background

bufferType

Bruschetta Recipe

Ingredients

Bruschetta Recipe

Ingredients

TextView

Source generation ended in 516 ms (12 minutes ago)

Event Log

HealthyRecipes [C:\Users\nbashias1\Documents\AndroidStudioProjects\HealthyRecipes] - ...\\app\\src\\main\\res\\layout\\recipe.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HealthyRecipes app src main res layout recipe.xml

1:Project

app manifests java edu.udayton.healthyrecipes MainActivity Recipe edu.udayton.healthyrecipes (androidTest) edu.udayton.healthyrecipes (test) generatedJava res drawable layout mipmap values Gradle Scripts

Resource Manager

2:Structure

Layout Captures

Build Variants

Favorites

Component Tree

Bruschetta Recipe

Ingredients

Bruschetta Recipe

Ingredients

TextView

Ab ingredient1TextView

id ingredient1TextView

Declared Attributes

Layout

layout_width match_parent

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

text TextView

text

contentDescription

textAppearance

fontFamily

typeface

textSize 14sp

lineSpacingExtra

textColor @android:color/secondary

textStyle B I Tr

All Attributes

alpha

autoLink

autoSizeMaxTextSize

autoSizeMinTextSize

autoSizePresetSizes

autoSizeStepGranularity

autoSizeTextType

autoText

background

bufferType

Use the Resource manager to add the string resource for this ingredient's text ("4 plum tomatoes")

Design Text

TODO Terminal Build Logcat

Event Log

Source generation ended in 516 ms (12 minutes ago)

The screenshot shows the Android Studio interface with the project 'HealthyRecipes' open. The layout editor is displaying the 'recipe.xml' file. The layout consists of a title 'Bruschetta Recipe', a section 'Ingredients', and a single ingredient entry '4 plum tomatoes'. The XML code for the ingredient is shown in the component tree under 'LinearLayout(vertical)'. A yellow callout box points to the 'text' attribute in the XML attributes panel, suggesting to use a string resource. The XML code for the ingredient is shown in the component tree.

The screenshot shows the Android Studio interface for a project named "HealthyRecipes". The "recipe.xml" layout file is open in the main editor area. On the right, the "Attributes" panel is visible for the selected "ingredient1TextView" view. A yellow callout box with an arrow points to the "New string Value..." option in the "Add new resource" dropdown menu, which is currently active. This indicates the process of creating a new string resource.

Select the 'New string Value...' option from the 'Add new resource' menu

Attributes

Ab ingredient1TextView	TextView
id	ingredient1TextView
Declared Attributes	
layout_width	match_parent
layout_height	wrap_content
layout_weight	
visibility	
visibility	
Common Attributes	
text	TextView
text	
contentDescription	
textAppearance	@android:style/TextAp
fontFamily	
typeface	
textSize	14sp
lineSpacingExtra	
textColor	@android:color/secondar
textStyle	B I Tr
All Attributes	
alpha	
autoLink	
autoSizeMaxTextSize	
autoSizeMinTextSize	
autoSizePresetSizes	
autoSizeStepGranul	
autoSizeTextType	
autoText	-
background	
bufferType	

Resources

Project	
app_name	Healthy Recipes
btnRecipeHint	Click to see Bruschetta recipe
btnRecipeText	View Recipe
txtBruschettalimage	Bruschetta Picture
txtIngredientsTitle	Ingredients
txtTitle	Bruschetta Recipe
android	
VideoView_error_button	OK
VideoView_error_text_invalid_progress	Hierdie video is nie geldig vir stro...
VideoView_error_text_unknown	Kan nie hierdie video speel nie.
VideoView_error_title	Videoprobleem
autofill	Outovul
cancel	Kanselleer
copy	Kopieer
copyUrl	Kopieer URL
cut	Sny
defaultMsisdnAlphaTag	MSISDN1
defaultVoiceMailAlphaTag	Stemboodskap
dialog_alert_title	Aandag
emptyPhoneNumber	(Geen foonnommer)

Design Text



The screenshot shows the Android Studio interface for creating a new string resource. A tooltip provides step-by-step instructions:

1. Type the Resource name (highlighted in yellow)
2. Type the Resource value (string) (highlighted in yellow)
3. Click OK (highlighted in yellow)

The 'New String Value Resource' dialog is open, showing the following fields:

- Resource name: txtIngredient1
- Resource value: 4 plum tomatoes
- Source set: main
- File name: (unchecked)
- Create type: value (checked)

The background shows the Android Studio interface with the 'recipe.xml' file open in the layout editor, displaying the text "Bruschetta Recipe". The right-hand panel shows the XML code for the layout.

HealthyRecipes [C:\Users\nbashias1\Documents\AndroidStudioProjects\HealthyRecipes] - ...\\app\\src\\main\\res\\layout\\recipe.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HealthyRecipes app src main res layout recipe.xml

1:Project

app manifests java edu.udayton.healthyrecipes MainActivity Recipe edu.udayton.healthyrecipes (androidTest) edu.udayton.healthyrecipes (test) generatedJava res drawable layout mipmap values Gradle Scripts

Resource Manager

2:Structure

Build Variants Favorites Layout Captures

Activity_main.xml recipe.xml Recipe.java MainActivity.java

Attributes

Ab ingredient1TextView TextView id ingredient1TextView Declared Attributes Layout

layout_width match_parent layout_height wrap_content layout_weight visibility visibility Common Attributes

text @string/txtIngredient1 text contentDescription textAppearance @android:style/TextAp fontFamily typeface textSize 14sp lineSpacingExtra textColor @android:color/secondary textStyle All Attributes alpha autoLink autoSizeMaxTextSize autoSizeMinTextSize autoSizePresetSizes autoSizeStepGranularity autoSizeTextType autoText background bufferType

Use the Resource manager to add a dimension resource for the ingredients' text size

Bruschetta Recipe

Ingredients

4 plum tomatoes

Bruschetta Recipe

Ingredients

4 plum tomatoes

Component Tree

LinearLayout(vertical)

- Ab recipeTitleTextView- "@string/recipeTitle"
- Ab ingredientsTitleTextView- ... A
- Ab ingredient1TextView

Design Text

TODO Terminal Build Logcat

Event Log

Source generation ended in 516 ms (13 minutes ago)

The screenshot shows the Android Studio interface with the project 'HealthyRecipes' open. The 'recipe.xml' layout file is selected. The layout consists of a title 'Bruschetta Recipe' and a 'Ingredients' section containing the text '4 plum tomatoes'. In the attributes panel, the 'textSize' attribute for the ingredients text is currently set to '14sp'. A yellow callout box with the text 'Use the Resource manager to add a dimension resource for the ingredients' text size' has an arrow pointing to the 'textSize' attribute in the attributes panel.

HealthyRecipes app src main res layout recipe.xml

1:Project

Resource Manager

2:Structure

Build Variants

Layout Captures

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

activity_main.xml recipe.xml Recipe.java MainActivity.java

Attributes

Ab ingredient1TextView
id ingredient1TextView

Declared Attributes

Layout

Common Attributes

All Attributes

Gradle

Gradle Scripts

Resources

Add new resource ▾ New dimen Value...

Select the 'New dimen Value...' option from the 'Add new resource' menu

No Preview

OK Cancel

Design Text

TODO Terminal Build Logcat Event Log

Source generation ended in 516 ms (13 minutes ago)

The screenshot shows the Android Studio interface with the project 'HealthyRecipes' open. The 'recipe.xml' file is selected in the navigation bar. A context menu is displayed over the 'Attributes' section of the XML editor, specifically over the 'id' field which contains 'ingredient1TextView'. The menu has an arrow pointing to the right, with the option 'New dimen Value...' highlighted. A yellow callout box with a black border contains the text 'Select the "New dimen Value..." option from the "Add new resource" menu'. The 'Resources' tool window is visible on the left, showing a list of existing dimension resources like 'btnRecipeTextSize' and 'titleTextSize'. The 'Attributes' panel on the right lists various attributes for the TextView component, such as 'text' set to '@string/txtIngredient1'. The 'Text' tab of the XML editor is currently active.

The screenshot shows the Android Studio interface with the project "HealthyRecipes" open. The "recipe.xml" layout file is selected in the top navigation bar. The left sidebar displays the project structure, showing the "app" module with its Java and resources. The main workspace shows the "Resources" editor for the "res/values" directory. A modal dialog titled "New Dimension Value Resource" is open, prompting the user to enter a resource name ("ingredientTextSize"), a resource value ("18sp"), and click "OK". The right side of the screen shows the XML code for the layout file, which includes a TextView with the id "ingredient1TextView" and the text "@string/txtIngredient1". The XML code is as follows:

```
<?xml version="1.0" encoding="utf-8"?>
<layout>
    <!-- Other layout elements -->
    <!-- Ingredient Text View -->
    <!-- This section is being modified -->
    <!-- Ingredient Text View -->
    <!-- Other layout elements -->
</layout>
```

The "Attributes" panel on the right lists the properties for the "ingredient1TextView" element, including "id" set to "ingredient1TextView". The "Declared Attributes" section shows "layout_width" and "layout_height" both set to "match_parent". The "Layout" section shows "layout_weight" and "visibility" both set to "wrap_content". The "Common Attributes" section shows "text" set to "@string/txtIngredient1". The "All Attributes" section lists other attributes like "fontFamily", "typeface", "textSize", "lineSpacingExtra", "textColor", and "textStyle".

HealthyRecipes [C:\Users\nbashias1\Documents\AndroidStudioProjects\HealthyRecipes] - ...\\app\\src\\main\\res\\layout\\recipe.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HealthyRecipes app src main res layout recipe.xml

1:Project

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

TODO Terminal Build Logcat

Source generation ended in 516 ms (14 minutes ago)

Event Log

Android

activity_main.xml recipe.xml Recipe.java MainActivity.java

Palette

Common Ab TextView

Text Button

Buttons ImageView

Widgets RecyclerView

Layouts <> <fragment>

Containers ScrollView

Legacy Switch

Attributes

Ab ingredient1TextView

id ingredient1TextView

Declared Attributes

Layout

layout_width match_parent

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

text @string/txtIngredient1

text

contentDescription

textAppearance @android:style/TextAp

fontFamily

typeface

textSize n/en/ingredientTextSize

lineSpacingExtra

textColor @android:color/secondary

textStyle B I Tr

All Attributes

alpha

autoLink

autoSizeMaxTextSize

autoSizeMinTextSize

autoSizePresetSizes

autoSizeStepGranul

autoSizeTextType

autoText

background

bufferType

Bruschetta Recipe

Ingredients

4 plum tomatoes

Bruschetta Recipe

Ingredients

4 plum tomatoes

Component Tree

LinearLayout(vertical)

Ab recipeTitleTextView- "@strin..."

Ab ingredientsTitleTextView- ... A

Ab ingredient1TextView- "@strin..."

Use the Resource manager to set the text color to black

Design Text



Android

activity_main.xml recipe.xml Recipe.java MainActivity.java

Resources

Add new resource

Project

colorAccent
colorPrimary
colorPrimaryDark

Theme attributes

Click this triangle to expand the android system colors

No Preview

OK Cancel

Design Text

Attributes

Ab ingredient1TextView
id ingredient1TextView

Declared Attributes

Layout

layout_width match_parent
layout_height wrap_content
layout_weight
visibility
visibility

Common Attributes

text @string/txtIngredient1
text
contentDescription
textAppearance @android:style/TextAp
fontFamily
typeface
textSize men/ingredientTextSize
lineSpacingExtra
textColor @android:color/secondary
textStyle B I Tr

All Attributes

alpha
autoLink
autoSizeMaxTextSize
autoSizeMinTextSize
autoSizePresetSizes
autoSizeStepGranularity
autoSizeTextType
autoText
background
bufferType

33% 33%

Netta Recipe

des

Device File Explorer

HealthyRecipes app src main res layout recipe.xml

1:Project

Resource Manager

2:Structure

Favorites

Build Variants

Layout Captures

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

activity_main.xml recipe.xml Recipe.java MainActivity.java

Attributes

Name: black

Declared Attributes

Layout

Common Attributes

All Attributes

OK Cancel

Select the black Android system color

Then click OK

OK

background_dark

background_light

black

darker_gray

holo_blue_bright

holo_blue_dark

holo_blue_light

holo_green_dark

holo_green_light

holo_orange_dark

holo_orange_light

Ab ingredient1TextView

id ingredient1TextView

layout_width match_parent

layout_height wrap_content

layout_weight

visibility

visibility

text @string/txtIngredient1

text

contentDescription

textAppearance @android:style/TextAp

fontFamily

typeface

textSize men/ingredientTextSize

lineSpacingExtra

textColor @android:color/secondary

textStyle B I Tr

alpha

autoLink

autoSizeMaxTextSize

autoSizeMinTextSize

autoSizePresetSizes

autoSizeStepGranul

autoSizeTextType

autoText

background

bufferType

33%

Gradle

Device File Explorer

Design Text

TODO Terminal Build Logcat

Event Log

Source generation ended in 516 ms (14 minutes ago)

HealthyRecipes app src main res layout recipe.xml

1:Project

app manifests java edu.udayton.healthyrecipes MainActivity Recipe edu.udayton.healthyrecipes (androidTest) edu.udayton.healthyrecipes (test) generatedJava res drawable layout mipmap values Gradle Scripts

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Activity_main.xml recipe.xml Recipe.java MainActivity.java

Palette

Common Ab TextView

Text Button

Buttons ImageView

Widgets RecyclerView

Layouts <> <fragment>

Containers ScrollView

Google Switch

Legacy

Component Tree

LinearLayout(vertical)

Ab recipeTitleTextView- "@string/recipe_title"

Ab ingredientsTitleTextView- ... A

Ab ingredient1TextView- "@string/ingredient_1"

Attributes

Ab ingredient1TextView TextView

numeric U

onClick

overScrollMode

padding [?, ?, ?, ?]

password

phoneNumber

privateImeOptions

requiresFadingEdge

rotation

rotationX

rotationY

saveEnabled

scaleX

scaleY

scrollHorizontally

scrollIX

scrollLY

scrollbarAlwaysDraw

scrollbarAlwaysDraw

scrollbarDefaultDela 400

scrollbarFadeDuratio 250

scrollbarSize 4dp

scrollbarStyle

scrollbarThumbHoriz @android:drawable(scroll

scrollbarThumbVerti @android:drawable(scroll

scrollbarTrackHorizo @null

scrollbarTrackVertica @android:drawable/confi

scrollbars

selectAllOnFocus

shadowColor

shadowDx

shadowDy

Device File Explorer

Bruschetta Recipe

Ingredients

4 plum tomatoes

Ingredients

4 plum tomatoes

Scalable yellow arrow pointing right towards the 'padding' attribute in the Attributes panel.

Scalable yellow callout bubble with the text: "Scroll down to and click this arrow to expand the padding attribute group".

HealthyRecipes [C:\Users\nbashias1\Documents\AndroidStudioProjects\HealthyRecipes] - ...\\app\\src\\main\\res\\layout\\recipe.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HealthyRecipes app src main res layout recipe.xml

1:Project

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

TODO Terminal Build Logcat

Source generation ended in 516 ms (15 minutes ago)

Event Log

Android

activity_main.xml recipe.xml Recipe.java MainActivity.java

Palette

Common Ab TextView

Text Button

Buttons ImageView

Widgets RecyclerView

Layouts <> <fragment>

Containers ScrollView

Google Switch

Legacy

Attributes

Ab ingredient1TextView TextView

numeric

onClick

overScrollMode

padding [?, ?, ?, ?]

padding

paddingLeft

paddingTop

paddingRight

paddingBottom

password

phoneNumber

privateImeOptions

requiresFadingEdge

rotation

rotationX

rotationY

saveEnabled

scaleX

scaleY

scrollHorizontally

scrollX

scrollY

scrollbarAlwaysDraw

scrollbarAlwaysDraw

scrollbarDefaultDela 400

scrollbarFadeDuratio 250

scrollbarSize 4dp

scrollbarStyle

scrollbarThumbHoriz @android:drawable(scroll

scrollbarThumbVerti @android:drawable(scroll

scrollbarTrackHorizo @null

scrollbarTrackVertica @android:drawable/confi

Bruschetta Recipe

Ingredients

4 plum tomatoes

Bruschetta Recipe

Ingredients

4 plum tomatoes

Use the resource manager to select the left padding (as indentation)

Component Tree

LinearLayout(vertical)

Ab recipeTitleTextView- "@string/recipe_title"

Ab ingredientsTitleTextView- ... A

Ab ingredient1TextView- "@string/ingredient_1"

Design Text



Android Resources

Add new resource

Project

Name: textPadding_10dp

Default: 10dp

btnRecipeTextSize	30sp
ingredientTextSize	18sp
ingredientsTitleTextSize	22sp
textPadding_10dp	10dp
textPadding_5dp	5dp
titleTextSize	40sp
android	
app_icon_size	48dip
dialog_min_width_major	55%
dialog_min_width_minor	80%
notification_large_icon_height	64dp
notification_large_icon_width	64dp
thumbnail_height	360dp
thumbnail_width	360dp
Theme attributes	
actionBarSize	
dialogCornerRadius	
dialogPreferredPadding	
listPreferredItemPaddingLeft	
listPreferredItemPaddingRight	

Select this dimension resource for the left padding

Then click OK

OK Cancel

Attributes

Ab ingredient1TextView

numeric

onClick

overScrollMode

padding

paddingLeft

paddingTop

paddingRight

paddingBottom

password

phoneNumber

privateImeOptions

requiresFadingEdge

rotation

rotationX

rotationY

saveEnabled

scaleX

scaleY

scrollHorizontally

scrollIIX

scrollIY

scrollbarAlwaysDraw

scrollbarAlwaysDraw

scrollbarDefaultDela

scrollbarFadeDuratio

scrollbarSize

scrollbarStyle

scrollbarThumbHoriz

scrollbarThumbVerti

scrollbarTrackHorizo

scrollbarTrackVertica

Device File Explorer

HealthyRecipes app src main res layout recipe.xml

1:Project 2:Resource Manager 3:Structure 4:Favorites 5:Build Variants 6:Layout Captures

Activity Main XML Recipe.java MainActivity.java

Attributes

Add the TextView for the second ingredient (6 basil leaves)

Bruschetta Recipe

Ingredients

4 plum tomatoes

Bruschetta Recipe

Ingredients

4 plum tomatoes

Ab ingredient1TextView

Common Text Buttons Widgets Layouts Containers Google Legacy

Component Tree

LinearLayout(vertical)

Ab recipeTitleTextView- "@string/recipe_title"

Ab ingredientsTitleTextView- ... A

Ab ingredient1TextView- "@string/ingredient_1"

Pixel 28 AppTheme Default (en-us) 33% Attributes

Ab ingredient1TextView TextView

numeric U

onClick

overScrollMode

padding [?, @dimen/textPadding_10dp, ?]

padding

paddingLeft @dimen/textPadding_10dp

paddingTop

paddingRight

paddingBottom

password

phoneNumber

privateImeOptions

requiresFadingEdge

rotation

rotationX

rotationY

saveEnabled

scaleX

scaleY

scrollHorizontally

scrollX

scrollY

scrollbarAlwaysDraw

scrollbarAlwaysDraw

scrollbarDefaultDelta 400

scrollbarFadeDuration 250

scrollbarSize 4dp

scrollbarStyle

scrollbarThumbHorizontal @android:drawable(scroll)

scrollbarThumbVertical @android:drawable(scroll)

scrollbarTrackHorizontal @null

scrollbarTrackVertical @android:drawable(confi)

Design Text

Source generation ended in 516 ms (15 minutes ago)

Event Log

HealthyRecipes [C:\Users\nbashias1\Documents\AndroidStudioProjects\HealthyRecipes] - ...app\src\main\res\layout\recipe.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HealthyRecipes app src main res layout recipe.xml

1:Project

app manifests java edu.udayton.healthyrecipes MainActivity Recipe edu.udayton.healthyrecipes (androidTest) edu.udayton.healthyrecipes (test) generatedJava res drawable layout mipmap values Gradle Scripts

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

TODO Terminal Build Logcat

Source generation ended in 516 ms (15 minutes ago)

1:Project

activity_main.xml recipe.xml Recipe.java MainActivity.java

Palette

Common Ab TextView
Text Button
Buttons ImageView
Widgets RecyclerView
Layouts <> <fragment>
Containers ScrollView
Legacy Switch

Pixel 28 AppTheme Default (en-us) 33% Attributes

Add to Design ✓ Favorite Android Documentation Shift+F1 Material Guidelines

The new Text View will appear directly below the first ingredient

Bruschetta Recipe

Ingredients

4 plum tomatoes

Bruschetta Recipe

Ingredients

4 plum tomatoes

Component Tree

LinearLayout(vertical)
Ab recipeTitleTextView- "@string/recipe_title"
Ab ingredientsTitleTextView- ...
Ab ingredient1TextView- "@string/ingredient_1"

Design Text

Attributes

Ab ingredient1TextView TextView
numeric U
onClick
overScrollMode
padding [?, @dimen/textPadding_10dp, ?]
padding
paddingLeft @dimen/textPadding_10dp
paddingTop
paddingRight
paddingBottom
password
phoneNumber
privateimeOptions
requiresFadingEdge
rotation
rotationX
rotationY
saveEnabled
scaleX
scaleY
scrollHorizontally
scrollX
scrollY
scrollbarAlwaysDraw
scrollbarAlwaysDraw
scrollbarDefaultDela 400
scrollbarFadeDuratio 250
scrollbarSize 4dp
scrollbarStyle
scrollbarThumbHoriz @android:drawable(scroll)
scrollbarThumbVerti @android:drawable(scroll)
scrollbarTrackHorizo @null
scrollbarTrackVertica @android:drawable/confi

Device File Explorer

HealthyRecipes [C:\Users\nbashias1\Documents\AndroidStudioProjects\HealthyRecipes] - ...app\src\main\res\layout\recipe.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HealthyRecipes app src main res layout recipe.xml

1:Project

Android

app manifests java edu.udayton.healthyrecipes MainActivity Recipe edu.udayton.healthyrecipes (androidTest) edu.udayton.healthyrecipes (test) generatedJava res drawable layout mipmap values Gradle Scripts

Resource Manager

2:Structure

Layout Captures

Build Variants

2:Favorites

Component Tree

LinearLayout(vertical)

- Ab recipeTitleTextView- "@string/recipe_title"
- Ab ingredientsTitleTextView- ... !
- Ab ingredient1TextView- "@string/ingredient_1" !
- Ab ingredient2TextView- "Text" !

Palette

Common Text Buttons Widgets Layouts Containers Google Legacy

activity_main.xml recipe.xml Recipe.java MainActivity.java

Pixel 28 AppTheme Default (en-us) 33% Attributes

Change the TextView's ID

Bruschetta Recipe

Ingredients

4 plum tomatoes

Bruschetta Recipe

Ingredients

4 plum tomatoes

Attributes

Ab ingredient2TextView TextView Declared Attributes Layout

layout_width match_parent layout_height wrap_content layout_weight visibility visibility Common Attributes

text TextView text contentDescription textAppearance @android:style/TextAp fontFamily typeface textSize 14sp lineSpacingExtra textColor @android:color/secondary textStyle All Attributes

alpha autoLink autoSizeMaxTextSize autoSizeMinTextSize autoSizePresetSizes autoSizeStepGranularity autoSizeTextType autoText background bufferType

Design Text

TODO Terminal Build Logcat Event Log

Source generation ended in 516 ms (15 minutes ago)

Device File Explorer

HealthyRecipes [C:\Users\nbashias1\Documents\AndroidStudioProjects\HealthyRecipes] - ...app\src\main\res\layout\recipe.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HealthyRecipes app src main res layout recipe.xml

1:Project

Resource Manager

2:Structure

Layout Captures

Build Variants

2:Favorites

Component Tree

Ab TextView

Common Text Buttons Widgets Layouts Containers Google Legacy

activity_main.xml recipe.xml Recipe.java MainActivity.java

Palette

Pixel 28 AppTheme Default (en-us) 33% Attributes

Bruschetta Recipe

Ingredients

4 plum tomatoes

Bruschetta Recipe

Ingredients

4 plum tomatoes

Use the Resource manager to add the string resource for this ingredient's text ("6 basil leaves")

Attributes

Ab ingredient2TextView

id ingredient2TextView

Declared Attributes

Layout

layout_width match_parent

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

text TextView

text

contentDescription

textAppearance

fontFamily

typeface

textSize 14sp

lineSpacingExtra

textColor @android:color/secondary

textStyle B I Tr

All Attributes

alpha

autoLink

autoSizeMaxTextSize

autoSizeMinTextSize

autoSizePresetSizes

autoSizeStepGranularity

autoSizeTextType

autoText

background

bufferType

Design Text

TODO Terminal Build Logcat

Event Log

Source generation ended in 516 ms (15 minutes ago)

The screenshot shows the Android Studio interface with the project 'HealthyRecipes' open. The layout editor is the active window, displaying the 'recipe.xml' file. The layout consists of a title 'Bruschetta Recipe' and an 'Ingredients' section containing the text '4 plum tomatoes'. A yellow callout box with the text 'Use the Resource manager to add the string resource for this ingredient's text ("6 basil leaves")' points to the text view containing '4 plum tomatoes'. The right side of the screen shows the XML code for the layout, and the bottom right corner shows the Android Device File Explorer.

HealthyRecipes app src main res layout recipe.xml

1:Project

Resource Manager

2:Structure

Build Variants

Layout Captures

TODO Terminal Build Logcat

Source generation ended in 516 ms (15 minutes ago)

Activity Main XML Recipe.java MainActivity.java

Attributes

Ab ingredient2TextView

id ingredient2TextView

Declared Attributes

Layout

Common Attributes

All Attributes

Gradle

Resources

Add new resource ▾

New string Value...

Select the 'New string Value...' option from the 'Add new resource' menu

OK Cancel

Design Text

Layout Preview: Bruschetta Recipe

Project

Project	
app_name	Healthy Recipes
btnRecipeHint	Click to see Bruschetta recipe
btnRecipeText	View Recipe
txtBruschettalimage	Bruschetta Picture
txtIngredient1	4 plum tomatoes
txtIngredientsTitle	Ingredients
txtTitle	Bruschetta Recipe
android	
VideoView_error_button	OK
VideoView_error_text_invalid_progress	Hierdie video is nie geldig vir stro...
VideoView_error_text_unknown	Kan nie hierdie video speel nie.
VideoView_error_title	Videoprobleem
autofill	Outovul
cancel	Kanselleer
copy	Kopieer
copyUrl	Kopieer URL
cut	Sny
defaultMsisdnAlphaTag	MSISDN1
defaultVoiceMailAlphaTag	Stemboodskap
dialog_alert_title	Aandaag



The screenshot shows the Android Studio interface for a project named "HealthyRecipes". The "recipe.xml" layout file is open in the main editor. A floating dialog box titled "New String Value Resource" is displayed, prompting the user to enter resource details.

The "Resource name" field contains "txtIngredient2", with a yellow callout "1. Type the Resource name" pointing to it.

The "Resource value" field contains "6 basil leaves", with a yellow callout "2. Type the Resource value (string)" pointing to it.

The "OK" button at the bottom of the dialog is highlighted with a yellow callout "3. Click OK" pointing to it.

In the background, the "Attributes" panel on the right shows the properties for the "ingredient2TextView" element, including its ID and visibility settings.

HealthyRecipes [C:\Users\nbashias1\Documents\AndroidStudioProjects\HealthyRecipes] - ...app\src\main\res\layout\recipe.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HealthyRecipes app src main res layout recipe.xml

1:Project

app manifests java edu.udayton.healthyrecipes MainActivity Recipe edu.udayton.healthyrecipes (androidTest) edu.udayton.healthyrecipes (test) generatedJava res drawable layout mipmap values Gradle Scripts

Resource Manager

2:Structure

Layout Captures

Favorites

Build Variants

Component Tree

Bruschetta Recipe

Ingredients

4 plum tomatoes

6 basil leaves

Bruschetta Recipe

Ingredients

4 plum tomatoes

6 basil leaves

Attributes

Ab ingredient2TextView

id ingredient2TextView

Declared Attributes

Layout

layout_width match_parent

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

text @string/txtIngredient2

text

contentDescription

textAppearance @android:style/TextAp

fontFamily

typeface

textSize 14sp

lineSpacingExtra

textColor @android:color/secondary

textStyle

All Attributes

alpha

autoLink

autoSizeMaxTextSize

autoSizeMinTextSize

autoSizePresetSizes

autoSizeStepGranul

autoSizeTextType

autoText

background

bufferType

Use the Resource manager to select the dimension resource for this ingredient's text size

Design Text

TODO Terminal Build Logcat

Source generation ended in 516 ms (16 minutes ago)

Event Log

Gradle

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_weight="1"
    android:orientation="vertical">
    <TextView
        android:id="@+id/recipeTitleTextView"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"/>
    <TextView
        android:id="@+id/ingredientsTitleTextView"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"/>
    <TextView
        android:id="@+id/ingredient1TextView"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"/>
    <TextView
        android:id="@+id/ingredient2TextView"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"/>
</LinearLayout>
```



Resources

Add new resource ▾

Project	
btnRecipeTextSize	30sp
ingredientTextSize	18sp
ingredientsTitleTextSize	22sp
textPadding_10dp	10dp
textPadding_5dp	5dp
titleTextSize	40sp
android	
app_icon_size	48dip
dialog_min_width_major	55%
dialog_min_width_minor	80%
notification_large_icon_height	64dp
notification_large_icon_width	64dp
thumbnail_height	360dp
thumbnail_width	360dp
Theme attributes	
actionBarSize	
dialogCornerRadius	
dialogPreferredPadding	
listPreferredItemPaddingLeft	
listPreferredItemPaddingRight	

Name: ingredientTextSize

Declared Attributes

Layout

Common Attributes

All Attributes

Attributes

Ab ingredient2TextView
id ingredient2TextView

33% + - A

Select this same text size dimension resource that we created for the first ingredient TextView

Then click OK

OK Cancel

Design Text

Netta Recipe

Des

es

Device File Explorer

HealthyRecipes [C:\Users\nbashias1\Documents\AndroidStudioProjects\HealthyRecipes] - ...app\src\main\res\layout\recipe.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HealthyRecipes app src main res layout recipe.xml

1:Project

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

TODO Terminal Build Logcat

Source generation ended in 516 ms (16 minutes ago)

Event Log

Android

activity_main.xml recipe.xml Recipe.java MainActivity.java

Palette

Common Ab TextView

Text Button

Buttons ImageView

Widgets RecyclerView

Layouts <> <fragment>

Containers ScrollView

Legacy Switch

Attributes

Ab ingredient2TextView

id ingredient2TextView

Declared Attributes

Layout

layout_width match_parent

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

text @string/txtIngredient2

text

contentDescription

textAppearance @android:style/TextAp

fontFamily

typeface

textSize n/en/ingredientTextSize

lineSpacingExtra

textColor @android:color/secondary

textStyle B I Tr

All Attributes

alpha

autoLink

autoSizeMaxTextSize

autoSizeMinTextSize

autoSizePresetSizes

autoSizeStepGranul

autoSizeTextType

autoText

background

bufferType

Bruschetta Recipe

Ingredients

4 plum tomatoes

6 basil leaves

Bruschetta Recipe

Ingredients

4 plum tomatoes

6 basil leaves

Component Tree

LinearLayout(vertical)

Ab recipeTitleTextView- "@str..."

Ab ingredientsTitleTextView- ... A

Ab ingredient1TextView- "@s..." A

Ab ingredient2TextView- "@str..."

Use the Resource manager to set the text color to black

Design Text

HealthyRecipes app src main res layout recipe.xml

1:Project

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

activity_main.xml recipe.xml Recipe.java MainActivity.java

Attributes

Ab ingredient2TextView

id ingredient2TextView

Declared Attributes

Layout

layout_width match_parent

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

text @string/txtIngredient2

text

contentDescription

textAppearance @android:style/TextAp

fontFamily

typeface

textSize men/ingredientTextSize

lineSpacingExtra

textColor @android:color/secondary

textStyle B I Tr

All Attributes

alpha

autoLink

autoSizeMaxTextSize

autoSizeMinTextSize

autoSizePresetSizes

autoSizeStepGranularity

autoSizeTextType

autoText

background

bufferType

Attributes

Ab ingredient2TextView

id ingredient2TextView

Declared Attributes

Layout

layout_width match_parent

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

text @string/txtIngredient2

text

contentDescription

textAppearance @android:style/TextAp

fontFamily

typeface

textSize men/ingredientTextSize

lineSpacingExtra

textColor @android:color/secondary

textStyle B I Tr

All Attributes

alpha

autoLink

autoSizeMaxTextSize

autoSizeMinTextSize

autoSizePresetSizes

autoSizeStepGranularity

autoSizeTextType

autoText

background

bufferType

Resources

Add new resource

Project

colorAccent

colorPrimary

colorPrimaryDark

Theme attributes

Click this triangle to expand the android system colors

No Preview

OK Cancel

Design Text

TODO Terminal Build Logcat

Event Log

Source generation ended in 516 ms (16 minutes ago)

HealthyRecipes app src main res layout recipe.xml

1:Project

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

activity_main.xml recipe.xml Recipe.java MainActivity.java

Attributes

Name: black

Declared Attributes

Layout

Common Attributes

All Attributes

Gradle

33%

Add new resource

Resources

Project

colorAccent

colorPrimary

colorPrimaryDark

android

background_dark

background_light

black

darker_gray

holo_blue_bright

holo_blue_dark

holo_blue_light

holo_green_dark

holo_green_light

holo_orange_dark

holo_orange_light

Select the black Android system color

@android:color/black
= #ff000000

Then click OK

OK Cancel

Design Text

henna Recipe

Ab ingredient2TextView

id ingredient2TextView

layout_width match_parent

layout_height wrap_content

layout_weight

visibility

visibility

text @string/txtIngredient2

text

contentDescription

textAppearance

fontFamily

typeface

textSize

lineSpacingExtra

textColor

textStyle

alpha

autoLink

autoSizeMaxTextSize

autoSizeMinTextSize

autoSizePresetSizes

autoSizeStepGranularity

autoSizeTextType

autoText

background

bufferType

Event Log

Source generation ended in 516 ms (16 minutes ago)

HealthyRecipes app src main res layout recipe.xml

1:Project

app manifests java edu.udayton.healthyrecipes MainActivity Recipe edu.udayton.healthyrecipes (androidTest) edu.udayton.healthyrecipes (test) generatedJava res drawable layout mipmap values Gradle Scripts

Resource Manager

2:Structure

3:Favorites

Build Variants

Layout Captures

Activity_main.xml recipe.xml Recipe.java MainActivity.java

Palette

Common Ab TextView

Text Button

Buttons ImageView

Widgets RecyclerView

Layouts <> <fragment>

Containers ScrollView

Google Switch

Legacy

Component Tree

LinearLayout(vertical)

Ab recipeTitleTextView- "@string/recipe_title" A

Ab ingredientsTitleTextView- ... A

Ab ingredient1TextView- "@string/ingredient_1" A

Ab ingredient2TextView- "@string/ingredient_2" A

Attributes

Ab ingredient2TextView TextView

numeric

onClick

overScrollMode

padding [?, ?, ?, ?, ?]

password

phoneNumber

privateImeOptions

requiresFadingEdge

rotation

rotationX

rotationY

saveEnabled

scaleX

scaleY

scrollHorizontally

scrollIX

scrollLY

scrollbarAlwaysDraw

scrollbarAlwaysDraw

scrollbarDefaultDela 400

scrollbarFadeDuratio 250

scrollbarSize 4dp

scrollbarStyle

scrollbarThumbHoriz @android:drawable(scroll)

scrollbarThumbVerti @android:drawable(scroll)

scrollbarTrackHorizo @null

scrollbarTrackVertica @android:drawable(confi)

scrollbars

selectAllOnFocus

shadowColor

shadowDx

shadowDy

Design Text

Bruschetta Recipe

Ingredients

4 plum tomatoes

6 basil leaves

Scrolldown to and click this arrow to expand the padding attribute group

Device File Explorer

HealthyRecipes [C:\Users\nbashias1\Documents\AndroidStudioProjects\HealthyRecipes] - ...\\app\\src\\main\\res\\layout\\recipe.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HealthyRecipes app src main res layout recipe.xml

1:Project

app manifests java edu.udayton.healthyrecipes MainActivity Recipe edu.udayton.healthyrecipes (androidTest) edu.udayton.healthyrecipes (test) generatedJava res drawable layout mipmap values Gradle Scripts

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Design Text

Activity_main.xml recipe.xml Recipe.java MainActivity.java

Palette

Common Ab TextView

Text Button

Buttons ImageView

Widgets RecyclerView

Layouts <> <fragment>

Containers ScrollView

Google Switch

Legacy

Component Tree

LinearLayout(vertical)

Ab recipeTitleTextView- "@string/recipe_title"

Ab ingredientsTitleTextView- ... A

Ab ingredient1TextView- "@string/ingredient_1"

Ab ingredient2TextView- "@string/ingredient_2"

Attributes

Ab ingredient2TextView TextView

numeric

onClick

overScrollMode

padding [?, ?, ?, ?, ?]

padding

paddingLeft

paddingTop

paddingRight

paddingBottom

password

phoneNumber

privateImeOptions

requiresFadingEdge

rotation

rotationX

rotationY

saveEnabled

scaleX

scaleY

scrollHorizontally

scrollIX

scrollY

scrollbarAlwaysDraw

scrollbarAlwaysDraw

scrollbarDefaultDela 400

scrollbarFadeDuratio 250

scrollbarSize 4dp

scrollbarStyle

scrollbarThumbHoriz @android:drawable(scroll)

scrollbarThumbVerti @android:drawable(scroll)

scrollbarTrackHorizo @null

scrollbarTrackVertica @android:drawable(confi

Bruschetta Recipe

Ingredients

4 plum tomatoes

6 basil leaves

Bruschetta Recipe

Ingredients

4 plum tomatoes

6 basil leaves

Use the resource manager to select the left padding (as indentation)

Device File Explorer

HealthyRecipes app src main res layout recipe.xml

1:Project

Resource Manager

2:Structure

Build Variants

Layout Captures

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

activity_main.xml recipe.xml Recipe.java MainActivity.java

Attributes

Ab ingredient2TextView

onClick

overScrollMode

padding

paddingLeft

paddingTop

paddingRight

paddingBottom

password

phoneNumber

privateImeOptions

requiresFadingEdge

rotation

rotationX

rotationY

saveEnabled

scaleX

scaleY

scrollHorizontally

scrollI

scrollY

scrollbarAlwaysDraw

scrollbarAlwaysDraw

scrollbarDefaultDela

scrollbarFadeDuratio

scrollbarSize

scrollbarStyle

scrollbarThumbHoriz

scrollbarThumbVerti

scrollbarTrackHorizo

scrollbarTrackVertica

Gradle

Device File Explorer

Resources

Add new resource

Name: textPadding_10dp

Default: 10dp

Project

btnRecipeTextSize: 30sp

ingredientTextSize: 18sp

ingredientsTitleTextSize: 22sp

textPadding_10dp: 10dp

textPadding_5dp: 5dp

titleTextSize: 40sp

android

app_icon_size: 48dip

dialog_min_width_major: 55%

dialog_min_width_minor: 80%

notification_large_icon_height: 64dp

notification_large_icon_width: 64dp

thumbnail_height: 360dp

thumbnail_width: 360dp

Theme attributes

actionBarSize

dialogCornerRadius

dialogPreferredPadding

listPreferredItemPaddingLeft

listPreferredItemPaddingRight

Select this dimension resource for the left padding

Then click OK

OK Cancel

Design Text

HealthyRecipes > app > src > main > res > layout > recipe.xml

Android

1:Project

app

- manifests
- java
 - edu.udayton.healthyrecipes
 - MainActivity
 - Recipe
 - edu.udayton.healthyrecipes (androidTest)
 - edu.udayton.healthyrecipes (test)
- generatedJava
- res
 - drawable
 - layout
 - mipmap
 - values

Resource Manager

2:Structure

3:Favorites

Build Variants

Layout Captures

Component Tree

Ab TextView

Common Text Buttons Widgets Layouts Containers Google Legacy

Pixel 28 AppTheme Default (en-us) 33%

Add the TextView for the third ingredient (3 garlic cloves, chopped)

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves

Attributes

Ab ingredient2TextView TextView

numeric

onClick

overScrollMode

padding

paddingLeft @dimen/textPadding_10dp

paddingTop

paddingRight

paddingBottom

password

phoneNumber

privateImeOptions

requiresFadingEdge

rotation

rotationX

rotationY

saveEnabled

scaleX

scaleY

scrollHorizontally

scrollIX

scrollY

scrollbarAlwaysDraw

scrollbarAlwaysDraw

scrollbarDefaultDela 400

scrollbarFadeDuratio 250

scrollbarSize 4dp

scrollbarStyle

scrollbarThumbHoriz @android:drawable(scroll)

scrollbarThumbVerti @android:drawable(scroll)

scrollbarTrackHorizo @null

scrollbarTrackVertica @android:drawable(confi

Design Text

TODO Terminal Build Logcat Event Log

Source generation ended in 516 ms (18 minutes ago)

The screenshot shows the Android Studio interface with the 'recipe.xml' layout file open. The layout consists of a title and an ingredients section. The ingredients section contains two items: '4 plum tomatoes' and '6 basil leaves'. The 'Attributes' panel on the right shows the 'paddingLeft' attribute is set to '@dimen/textPadding_10dp'. A yellow callout box highlights the 'Ab TextView' item in the palette, with the instruction 'Add the TextView for the third ingredient (3 garlic cloves, chopped)'.

HealthyRecipes app src main res layout recipe.xml

1:Project 2:Resource Manager 3:Favorites 4:Build Variants 5:Layout Captures 6:Build Scripts

activity_main.xml recipe.xml Recipe.java MainActivity.java

Palette Attributes

Common Text Widgets Layouts Containers Google Legacy

Add to Design ✓ Favorite Android Documentation Shift+F1 Material Guidelines

The new Text View will appear directly below the second ingredient

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves

Component Tree

LinearLayout(vertical)

- Ab recipeTitleTextView- "@string/recipe_title"
- Ab ingredientsTitleTextView- ...
- Ab ingredient1TextView- "@string/ingredient_1"
- Ab ingredient2TextView- "@string/ingredient_2"

Design Text

Attributes

Ab ingredient2TextView TextView

numeric

onClick

overScrollMode

padding

paddingLeft @dimen/textPadding_10dp

paddingTop

paddingRight

paddingBottom

password

phoneNumber

privateImeOptions

requiresFadingEdge

rotation

rotationX

rotationY

saveEnabled

scaleX

scaleY

scrollHorizontally

scrollIX

scrollY

scrollbarAlwaysDraw

scrollbarAlwaysDraw

scrollbarDefaultDela 400

scrollbarFadeDuratio 250

scrollbarSize 4dp

scrollbarStyle

scrollbarThumbHoriz @android:drawable(scroll)

scrollbarThumbVerti @android:drawable(scroll)

scrollbarTrackHorizo @null

scrollbarTrackVertica @android:drawable(confi

Device File Explorer

HealthyRecipes app src main res layout recipe.xml

1:Project

Android

app manifests java edu.udayton.healthyrecipes MainActivity Recipe edu.udayton.healthyrecipes (androidTest) edu.udayton.healthyrecipes (test) generatedJava res drawable layout mipmap values Gradle Scripts

Resource Manager

2:Structure

Layout Captures

Build Variants

Favorites

Component Tree

LinearLayout(vertical)

- Ab recipeTitleTextView- "@string/recipe_title"
- Ab ingredientsTitleTextView- ...
- Ab ingredient1TextView- "@s..."
- Ab ingredient2TextView- "@s..."
- Ab ingredient3TextView- "Text"

Design Text

activity_main.xml recipe.xml Recipe.java MainActivity.java

Palette

Common Ab TextView

- Button
- ImageView
- RecyclerView
- <> <fragment>
- ScrollView
- Switch

Text

Buttons

Widgets

Layouts

Containers

Google

Legacy

Attributes

Ab ingredient3TextView

Declared Attributes

Layout

layout_width match_parent

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

text TextView

text

contentDescription

textAppearance @android:style/TextAp

fontFamily

typeface

textSize 14sp

lineSpacingExtra

textColor @android:color/secondary

textStyle B I Tr

All Attributes

alpha

autoLink

autoSizeMaxTextSize

autoSizeMinTextSize

autoSizePresetSizes

autoSizeStepGranul

autoSizeTextType

autoText

background

bufferType

Change the TextView's ID

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves

Device File Explorer

HealthyRecipes [C:\Users\nbashias1\Documents\AndroidStudioProjects\HealthyRecipes] - ...\\app\\src\\main\\res\\layout\\recipe.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HealthyRecipes app src main res layout recipe.xml

1:Project

Java

edu.udayton.healthyrecipes

- MainActivity
- Recipe

edu.udayton.healthyrecipes (androidTest)

edu.udayton.healthyrecipes (test)

generatedJava

res

- drawable
- layout
- mipmap
- values

Gradle Scripts

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Design Text

activity_main.xml recipe.xml Recipe.java MainActivity.java

Palette

Common Ab TextView

- Text
- Buttons
- Widgets
- Layouts
- Containers
- Google
- Legacy

Pixel 28 AppTheme Default (en-us) 33% Attributes

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves

Component Tree

- LinearLayout(vertical)
 - Ab recipeTitleTextView- "@string/recipe_title"
 - Ab ingredientsTitleTextView- ...
 - Ab ingredient1TextView- "@s..."
 - Ab ingredient2TextView- "@s..."
 - Ab ingredient3TextView- "T..."

Attributes

Ab ingredient3TextView

id ingredient3TextView

Declared Attributes

Layout

layout_width match_parent

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

text TextView

text

contentDescription

textAppearance

fontFamily

typeface

textSize 14sp

lineSpacingExtra

textColor @android:color/secondary

textStyle B I Tr

All Attributes

alpha

autoLink

autoSizeMaxTextSize

autoSizeMinTextSize

autoSizePresetSizes

autoSizeStepGranularity

autoSizeTextType

autoText

background

bufferType

Use the Resource manager to add the string resource for this ingredient's text ("3 garlic cloves, chopped")

Device File Explorer

TODO Terminal Build Logcat Event Log

Source generation ended in 516 ms (18 minutes ago)

HealthyRecipes app src main res layout recipe.xml

1:Project

Resource Manager

2:Structure

Build Variants

Layout Captures

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

activity_main.xml recipe.xml Recipe.java MainActivity.java

Attributes

Add new resource ▾ New string Value...

Attributes

id ingredient3TextView

Declared Attributes

Layout

Common Attributes

All Attributes

Gradle

Bruschetta Recipe

No Preview

OK Cancel

Resources

Project

app_name Healthy Recipes

btnRecipeHint Click to see Bruschetta recipe

btnRecipeText View Recipe

txtBruschettalimage Bruschetta Picture

txtIngredient1 4 plum tomatoes

txtIngredient2 6 basil leaves

txtIngredientsTitle Ingredients

txtTitle Bruschetta Recipe

android

VideoView_error_button OK

VideoView_error_text_invalid_progress Hierdie video is nie geldig vir stro...

VideoView_error_text_unknown Kan nie hierdie video speel nie.

VideoView_error_title Videoprobleem

autofill Outovul

cancel Kanselleer

copy Kopieer

copyUrl Kopieer URL

cut Sny

defaultMsisdnAlphaTag MSISDN1

defaultVoiceMailAlphaTag Stemboodskap

Design Text

Select the 'New string Value...' option from the 'Add new resource' menu

Event Log

The screenshot shows the Android Studio interface for a project named "HealthyRecipes". The project structure is visible in the left sidebar, showing files like `activity_main.xml`, `recipe.xml`, `Recipe.java`, and `MainActivity.java`. The main workspace displays the `recipe.xml` layout file for a Bruschetta Recipe. A floating dialog box titled "New String Value Resource" is open, prompting the user to enter resource details. The dialog fields are as follows:

- Resource name: `txtIngredient3` (highlighted by a yellow arrow labeled "1. Type the Resource name")
- Resource value: `3 garlic cloves, chopped` (highlighted by a yellow arrow labeled "2. Type the Resource value (string)")
- Source set: `main` (highlighted by a yellow arrow labeled "2. Type the Resource value (string)")
- File name: `values` (checkbox checked)
- Create the resource: `values` (checkbox checked)

Three yellow callout boxes provide instructions: "1. Type the Resource name", "2. Type the Resource value (string)", and "3. Click OK". The "OK" button at the bottom of the dialog is also highlighted with a yellow arrow.

The right side of the screen shows the XML code for the `recipe.xml` file, which includes the declaration of the `txtIngredient3` TextView:

```
<TextView android:id="@+id/ingredient3TextView" android:layout_width="match_parent" android:layout_height="wrap_content" android:layout_weight="1" android:visibility="visible" android:text="3 garlic cloves, chopped" />
```

The XML code for the entire `recipe.xml` file is as follows:

```
<?xml version="1.0" encoding="utf-8"?>
<layout>
    <!-- Bruschetta Recipe -->
    <!-- Main Content -->
    <!-- Header -->
    <Text>Bruschetta Recipe</Text>
    <Text>A delicious appetizer made with fresh tomatoes, basil, and garlic.</Text>
    <Text>Ingredients</Text>
    <Text>4 plum tomatoes</Text>
    <Text>6 basil leaves</Text>
    <Text>3 garlic cloves, chopped</Text>
    <Text>Instructions</Text>
    <Text>Preheat oven to 400°F (200°C). Cut tomatoes into quarters and roast them for 20-25 minutes until tender. Meanwhile, chop basil and garlic. Once tomatoes are done, remove from oven and let cool. In a small bowl, mix basil, garlic, and a drizzle of olive oil. Once tomatoes are cool enough to handle, dice them and mix with the basil-garlic mixture. Serve warm or at room temperature with crusty bread. Enjoy!</Text>
    <Text>Notes</Text>
    <Text>This recipe serves 4 people as an appetizer. You can adjust the amount of basil and garlic to taste. Enjoy!</Text>
</layout>
```

HealthyRecipes [C:\Users\nbashias1\Documents\AndroidStudioProjects\HealthyRecipes] - ...\\app\\src\\main\\res\\layout\\recipe.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HealthyRecipes app src main res layout recipe.xml

1:Project

Resource Manager

2:Structure

Layout Captures

Build Variants

2:Favorites

Activity_main.xml recipe.xml Recipe.java MainActivity.java

Attributes

Ab ingredient3TextView
id ingredient3TextView

Declared Attributes

Layout

layout_width match_parent
layout_height wrap_content
layout_weight
visibility
✓ visibility

Common Attributes

text @string/txtIngredient3
✓ text
contentDescription
✓ textAppearance @android:style/TextAp...
fontFamily
typeface
textSize 14sp
lineSpacingExtra
textColor @android:color/secondary
textStyle
All Attributes

alpha
autoLink
autoSizeMaxTextSize
autoSizeMinTextSize
autoSizePresetSizes
autoSizeStepGranul...
autoSizeTextType
autoText
background
bufferType

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves
3 garlic cloves, chopped

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves
3 garlic cloves, chopped

Component Tree

LinearLayout(vertical)
Ab recipeTitleTextView- "@strin...
Ab ingredientsTitleTextView- ...
Ab ingredient1TextView- "@s...
Ab ingredient2TextView- "@s...
Ab ingredient3TextView- "@s...

Design Text

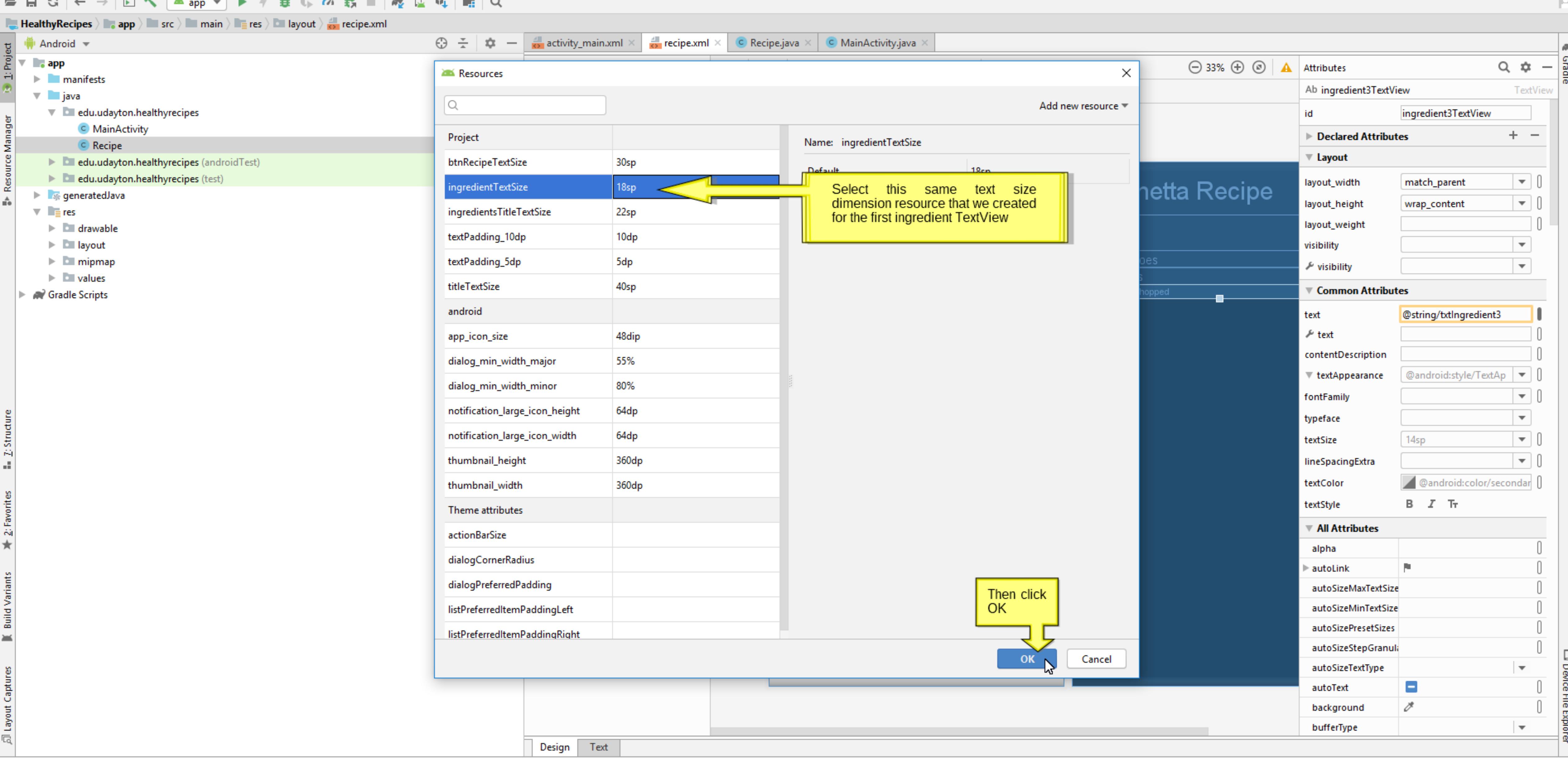
Use the Resource manager to select the dimension resource for this ingredient's text size

TODO Terminal Build Logcat

Source generation ended in 516 ms (19 minutes ago)

Event Log

Device File Explorer



HealthyRecipes [C:\Users\nbashias1\Documents\AndroidStudioProjects\HealthyRecipes] - ...app\src\main\res\layout\recipe.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HealthyRecipes app src main res layout recipe.xml

1:Project

Resource Manager

2:Structure

Layout Captures

Build Variants

Favorites

Activity_main.xml recipe.xml Recipe.java MainActivity.java

Attributes

Ab ingredient3TextView
id ingredient3TextView

Declared Attributes

Layout

layout_width match_parent
layout_height wrap_content
layout_weight
visibility
✓ visibility

Common Attributes

text @string/txtIngredient3
✓ text
contentDescription
✓ textAppearance @android:style/TextAp...
fontFamily
typeface
textSize men/ingredientTextSize
lineSpacingExtra
textColor @android:color/secondary
textStyle B I Tr

All Attributes

alpha
autoLink
autoSizeMaxTextSize
autoSizeMinTextSize
autoSizePresetSizes
autoSizeStepGranul...
autoSizeTextType
autoText
background
bufferType

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves
3 garlic cloves, chopped

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves
3 garlic cloves, chopped

Component Tree

LinearLayout(vertical)
Ab recipeTitleTextView- "@strin...
Ab ingredientsTitleTextView- ...
Ab ingredient1TextView- "@s...
Ab ingredient2TextView- "@s...
Ab ingredient3TextView- "@strin..."

Design Text

TODO Terminal Build Logcat

Event Log

Source generation ended in 516 ms (19 minutes ago)

Use the Resource manager to set the text color to black

The screenshot shows the Android Studio interface with the project 'HealthyRecipes' open. In the center is the layout editor for the file 'recipe.xml'. The layout contains a title 'Bruschetta Recipe' and an 'Ingredients' section listing '4 plum tomatoes', '6 basil leaves', and '3 garlic cloves, chopped'. On the right, the 'Attributes' panel is open for the last listed ingredient. A yellow callout box with the text 'Use the Resource manager to set the text color to black' points to the 'textColor' field, which is currently set to '@android:color/secondary'. The 'Component Tree' panel on the left shows the structure of the layout, including a 'LinearLayout' containing several text views. The bottom navigation bar has tabs for 'Design' and 'Text', with 'Text' being the active tab.



Android

activity_main.xml recipe.xml Recipe.java MainActivity.java

Resources

Add new resource

Project

colorAccent
colorPrimary
colorPrimaryDark

Theme attributes

Click this triangle to expand the android system colors

No Preview

OK Cancel

Design Text

Attributes

Ab ingredient3TextView
id ingredient3TextView

Declared Attributes

Layout

layout_width match_parent
layout_height wrap_content
layout_weight
visibility
visibility

Common Attributes

text @string/txtIngredient3
text
contentDescription
textAppearance @android:style/TextAp
fontFamily
typeface
textSize men/ingredientTextSize
lineSpacingExtra
textColor @android:color/secondary
textStyle B I Tr

All Attributes

alpha
autoLink
autoSizeMaxTextSize
autoSizeMinTextSize
autoSizePresetSizes
autoSizeStepGranularity
autoSizeTextType
autoText
background
bufferType

33% 33%

Netta Recipe

pes
s, chopped

Device File Explorer

HealthyRecipes app src main res layout recipe.xml

1:Project

Resource Manager

2:Structure

Layout Captures

Build Variants

2:Favorites

Layout Editor

activity_main.xml recipe.xml Recipe.java MainActivity.java

Attributes

Name: black

Declared Attributes

Layout

Common Attributes

All Attributes

OK Cancel

Select the black Android system color

Then click OK

Background color preview

Color palette

Resource browser

Search bar

Add new resource

Project tree

Java code editor

XML code editor

Text editor

Design view

Event Log

Source generation ended in 516 ms (19 minutes ago)

The screenshot shows the Android Studio interface with the project "HealthyRecipes" open. In the center, a "Resources" dialog is displayed for creating a new color resource named "black". The "Declared Attributes" section shows the "color" attribute set to "@android:color/black" with the hex value "#ff000000". A yellow callout box with the text "Select the black Android system color" points to the "black" color swatch in the color palette on the left. Another yellow callout box with the text "Then click OK" points to the "OK" button at the bottom right of the dialog. The background of the dialog shows a large black square representing the selected color.

HealthyRecipes app src main res layout recipe.xml

1:Project

Java

edu.udayton.healthyrecipes

MainActivity

Recipe

edu.udayton.healthyrecipes (androidTest)

edu.udayton.healthyrecipes (test)

generatedJava

res

drawable

layout

mipmap

values

Gradle Scripts

Resource Manager

Palette

Common

Text

Buttons

Widgets

Layouts

Containers

Google

Legacy

activity_main.xml recipe.xml Recipe.java MainActivity.java

Pixel 28 AppTheme Default (en-us) 33%

Attributes

Ab ingredient3TextView

onClick

overScrollMode

padding [?, ?, ?, ?]

password

phoneNumber

privateImeOptions

requiresFadingEdge

rotation

rotationX

rotationY

saveEnabled

scaleX

scaleY

scrollHorizontally

scrollIX

scrollLY

scrollbarAlwaysDraw

scrollbarAlwaysDraw

scrollbarDefaultDela 400

scrollbarFadeDuratio 250

scrollbarSize 4dp

scrollbarStyle

scrollbarThumbHoriz @android:drawable(scroll)

scrollbarThumbVerti @android:drawable(scroll)

scrollbarTrackHorizo @null

scrollbarTrackVertica @android:drawable/confi

scrollbars

selectAllOnFocus

shadowColor

shadowDx

shadowDy

shadowRadius

Bruschetta Recipe

Ingredients

4 plum tomatoes

6 basil leaves

3 garlic cloves, chopped

Component Tree

LinearLayout(vertical)

Ab recipeTitleTextView- "@strin..."

Ab ingredientsTitleTextView- ...

Ab ingredient1TextView- "@s..."

Ab ingredient2TextView- "@s..."

Ab ingredient3TextView- "@strin..."

Design Text

Scroll down to and click this arrow to expand the padding attribute group

HealthyRecipes [C:\Users\nbashias1\Documents\AndroidStudioProjects\HealthyRecipes] - ...\\app\\src\\main\\res\\layout\\recipe.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HealthyRecipes app src main res layout recipe.xml

1:Project

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Activity_main.xml recipe.xml Recipe.java MainActivity.java

Attributes

Ab ingredient3TextView
onClick
overScrollMode
padding
paddingLeft
paddingTop
paddingRight
paddingBottom
password
phoneNumber
privateMeOptions
requiresFadingEdge
rotation
rotationX
rotationY
saveEnabled
scaleX
scaleY
scrollHorizontally
scrollIX
scrollLY
scrollbarAlwaysDraw
scrollbarAlwaysDraw
scrollbarDefaultDelta
scrollbarFadeDuration
scrollbarSize
scrollbarStyle
scrollbarThumbHorizontal
scrollbarThumbVertical
scrollbarTrackHorizontal
scrollbarTrackVertical
scrollbars

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves
3 garlic cloves, chopped

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves
3 garlic cloves, chopped

Component Tree

LinearLayout(vertical)
Ab recipeTitleTextView- "@string/recipe_title"
Ab ingredientsTitleTextView- ...
Ab ingredient1TextView- "@string/ingredient_1"
Ab ingredient2TextView- "@string/ingredient_2"
Ab ingredient3TextView- "@string/ingredient_3"

Design Text

TODO Terminal Build Logcat

Event Log

Source generation ended in 516 ms (19 minutes ago)

Use the resource manager to select the left padding (as indentation)

The screenshot shows the Android Studio interface with the project 'HealthyRecipes' open. In the layout editor, a card-style layout is being designed. The card has a title 'Bruschetta Recipe' and a section 'Ingredients' containing a list of items: '4 plum tomatoes', '6 basil leaves', and '3 garlic cloves, chopped'. The third item in the list is selected, indicated by a blue highlight bar. To the right of the card, the 'Attributes' panel is visible, showing various properties like 'padding', 'paddingLeft', and 'paddingTop'. A yellow callout box with the text 'Use the resource manager to select the left padding (as indentation)' points to the 'padding' attribute. The bottom of the screen shows the navigation bar with 'Design' and 'Text' tabs, and the bottom right corner shows the 'Event Log' tab.



HealthyRecipes > app > src > main > res > layout > recipe.xml

The screenshot shows the Android Studio interface with the project "HealthyRecipes" open. The "layout" directory contains the file "recipe.xml". A context menu is displayed over a "TextView" element in the XML editor, specifically targeting the "padding" attribute.

The "Resources" dialog is open, showing dimension resources. The resource "textPadding_10dp" is selected, highlighted with a blue background. A yellow callout bubble with an arrow points to this selection with the text: "Select this dimension resource for the left padding".

Below the "OK" button in the "Resources" dialog, another yellow callout bubble with an arrow points to the "OK" button with the text: "Then click OK".

The "Attributes" panel on the right lists various attributes for the selected TextView, such as "ingredient3TextView", "onClick", "overScrollMode", and "padding".

The XML code for the TextView is partially visible:

```
<TextView style="@+id/ingredient3Textview" data-bbox="700 250 800 350" data-label="Text">

Netta Recipe



pes



s, chopped


```

HealthyRecipes app src main res layout recipe.xml

1:Project 2:Resource Manager 3:Structure 4:Favorites 5:Build Variants 6:Layout Captures

Activity Main XML Recipe.java MainActivity.java

Palette Attributes

Common Ab TextView

Text Button

Buttons ImageView

Widgets RecyclerView

Layouts <> <fragment>

Containers ScrollView

Legacy Switch

Pixel 28 AppTheme Default (en-us) 33% 33% 33%

Add the TextView for the fourth ingredient (3 TB olive oil)

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves
3 garlic cloves, chopped

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves
3 garlic cloves, chopped

Component Tree

LinearLayout(vertical)
Ab recipeTitleTextView- "@string/recipe_title"
Ab ingredientsTitleTextView- ...
Ab ingredient1TextView- "@s...
Ab ingredient2TextView- "@s...
Ab ingredient3TextView- "@s..."

Design Text



The new Text View will appear directly below the third ingredient

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves
3 garlic cloves, chopped

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves
3 garlic cloves, chopped

Component Tree

- LinearLayout(vertical)
 - Ab recipeTitleTextView- "@string/recipe_title"
 - Ab ingredientsTitleTextView- ...
 - Ab ingredient1TextView- "@s..."
 - Ab ingredient2TextView- "@s..."
 - Ab ingredient3TextView- "@s..."

Design Text

Attributes

- Ab ingredient3TextView
- onClick
- overScrollMode
- padding
- paddingLeft @dimen/textPadding_10dp
- paddingTop
- paddingRight
- paddingBottom
- password
- phoneNumber
- privateMeOptions
- requiresFadingEdge
- rotation
- rotationX
- rotationY
- saveEnabled
- scaleX
- scaleY
- scrollHorizontally
- scrollIX
- scrollLY
- scrollbarAlwaysDraw
- scrollbarAlwaysDraw
- scrollbarDefaultDelta 400
- scrollbarFadeDuration 250
- scrollbarSize 4dp
- scrollbarStyle
- scrollbarThumbHorizontal @android:drawable(scroll)
- scrollbarThumbVertical @android:drawable(scroll)
- scrollbarTrackHorizontal @null
- scrollbarTrackVertical @android:drawable(confi)
- scrollbars

HealthyRecipes app src main res layout recipe.xml

1:Project

Android

Common Ab TextView

Text Button

Buttons ImageView

Widgets RecyclerView

Layouts <> <fragment>

Containers ScrollView

Legacy Switch

Component Tree

- LinearLayout(vertical)
 - Ab recipeTitleTextView- "@string/recipe_title"
 - Ab ingredientsTitleTextView- ...
 - Ab ingredient1TextView- "@s..."
 - Ab ingredient2TextView- "@s..."
 - Ab ingredient3TextView- "@s..."
 - Ab ingredient4TextView- "Tex..."

Design Text

activity_main.xml recipe.xml Recipe.java MainActivity.java

Default (en-us) 33%

Attributes

Ab ingredient4TextView

Declared Attributes

Layout

layout_width match_parent

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

text TextView

text

contentDescription

textAppearance @android:style/TextAp

fontFamily

typeface

textSize 14sp

lineSpacingExtra

textColor @android:color/secondary

textStyle B I Tr

All Attributes

alpha

autoLink

autoSizeMaxTextSize

autoSizeMinTextSize

autoSizePresetSizes

autoSizeStepGranul

autoSizeTextType

autoText

background

bufferType

Change the TextView's ID

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves
3 garlic cloves, chopped

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves
3 garlic cloves, chopped

Device File Explorer

HealthyRecipes [C:\Users\nbashias1\Documents\AndroidStudioProjects\HealthyRecipes] - ...app\src\main\res\layout\recipe.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HealthyRecipes app src main res layout recipe.xml

1:Project

app manifests java edu.udayton.healthyrecipes MainActivity Recipe edu.udayton.healthyrecipes (androidTest) edu.udayton.healthyrecipes (test) generatedJava res drawable layout mipmap values Gradle Scripts

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Design Text

Activity_main.xml recipe.xml Recipe.java MainActivity.java

Palette

Common Ab TextView

Text Button

Buttons ImageView

Widgets RecyclerView

Layouts <> <fragment>

Containers ScrollView

Legacy Switch

Component Tree

- LinearLayout(vertical)
 - Ab recipeTitleTextView- "@string/recipe_title"
 - Ab ingredientsTitleTextView- "@string/ingredients_title"
 - Ab ingredient1TextView- "@string/ingredient_1"
 - Ab ingredient2TextView- "@string/ingredient_2"
 - Ab ingredient3TextView- "@string/ingredient_3"
 - Ab ingredient4TextView- "3 TB olive oil"

Attributes

Ab ingredient4TextView

id ingredient4TextView

Declared Attributes

Layout

layout_width match_parent

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

text TextView

text

contentDescription

textAppearance

fontFamily

typeface

textSize 14sp

lineSpacingExtra

textColor @android:color/secondary

textStyle B I Tr

All Attributes

alpha

autoLink

autoSizeMaxTextSize

autoSizeMinTextSize

autoSizePresetSizes

autoSizeStepGranularity

autoSizeTextType

autoText

background

bufferType

Bruschetta Recipe

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves
3 garlic cloves, chopped

Use the Resource manager to add the string resource for this ingredient's text ("3 TB olive oil")

Source generation ended in 516 ms (20 minutes ago)

Event Log

HealthyRecipes app src main res layout recipe.xml

1:Project

Resource Manager

2:Structure

Favorites

Build Variants

Layout Captures

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

activity_main.xml recipe.xml Recipe.java MainActivity.java

Attributes

Add new resource ▾ New string Value...

Select the 'New string Value...' option from the 'Add new resource' menu

Attributes

id ingredient4TextView

Declared Attributes

Layout

Common Attributes

All Attributes

Gradle

Resource

Project

app_name Healthy Recipes

btnRecipeHint Click to see Bruschetta recipe

btnRecipeText View Recipe

txtBruschettalimage Bruschetta Picture

txtIngredient1 4 plum tomatoes

txtIngredient2 6 basil leaves

txtIngredient3 3 garlic cloves, chopped

txtIngredientsTitle Ingredients

txtTitle Bruschetta Recipe

android

VideoView_error_button OK

VideoView_error_text_invalid_progress Hierdie video is nie geldig vir stro...

VideoView_error_text_unknown Kan nie hierdie video speel nie.

VideoView_error_title Videoprobleem

autofill Outovul

cancel Kanselleer

copy Kopieer

copyUrl Kopieer URL

cut Sny

defaultMsisdnAlphaTaq MSISDN1

No Preview

OK Cancel

Design Text

TODO Terminal Build Logcat Event Log

Source generation ended in 516 ms (20 minutes ago)

The screenshot shows the Android Studio interface for a project named "HealthyRecipes". The "recipe.xml" layout file is open in the main editor. A floating dialog box titled "New String Value Resource" is displayed, prompting the user to enter resource details. The "Resource name" field contains "txtIngredient4" and the "Resource value" field contains "3 TB olive oil". The "Source set" dropdown is set to "main". A yellow callout box with three numbered steps guides the user through the process:

1. Type the Resource name
2. Type the Resource value (string)
3. Click OK

The "Attributes" panel on the right shows the properties for the selected TextView element, including "id": "ingredient4TextView". The "Layout" section of the Attributes panel includes "layout_width": "match_parent" and "layout_height": "wrap_content". The "Common Attributes" section lists "text": "TextView" and "textAppearance": "@android:style/TextAp". The "All Attributes" section lists various other attributes like "alpha", "autoLink", and "bufferType".

HealthyRecipes [C:\Users\nbashias1\Documents\AndroidStudioProjects\HealthyRecipes] - ...\\app\\src\\main\\res\\layout\\recipe.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HealthyRecipes app src main res layout recipe.xml

1:Project

app manifests java edu.udayton.healthyrecipes MainActivity Recipe edu.udayton.healthyrecipes (androidTest) edu.udayton.healthyrecipes (test) generatedJava res drawable layout mipmap values Gradle Scripts

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Design Text

Activity_main.xml recipe.xml Recipe.java MainActivity.java

Palette

Common Ab TextView

Text Button

Buttons ImageView

Widgets RecyclerView

Layouts <> <fragment>

Containers ScrollView

Legacy Switch

Component Tree

LinearLayout(vertical)

Ab recipeTitleTextView- "@string/recipeTitle" A

Ab ingredientsTitleTextView- ... A

Ab ingredient1TextView- "@s..." A

Ab ingredient2TextView- "@s..." A

Ab ingredient3TextView- "@s..." A

Ab ingredient4TextView- "@s..." A

Attributes

Ab ingredient4TextView TextView

id ingredient4TextView

Declared Attributes

Layout

layout_width match_parent

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

text @string/txtIngredient4

text

contentDescription

textAppearance @android:style/TextAp

fontFamily

typeface

textSize 14sp

lineSpacingExtra

textColor @android:color/secondary

textStyle

All Attributes

alpha

autoLink

autoSizeMaxTextSize

autoSizeMinTextSize

autoSizePresetSizes

autoSizeStepGranul

autoSizeTextType

autoText

background

bufferType

Bruschetta Recipe

Ingredients

4 plum tomatoes

6 basil leaves

3 garlic cloves, chopped

3 TB olive oil

Bruschetta Recipe

Ingredients

4 plum tomatoes

6 basil leaves

3 garlic cloves, chopped

3 TB olive oil

Use the Resource manager to select the dimension resource for this ingredient's text size

Device File Explorer

TODO Terminal Build Logcat

Source generation ended in 516 ms (21 minutes ago)

Event Log

HealthyRecipes app src main res layout recipe.xml

1:Project

Resource Manager

2:Structure

Build Variants

Layout Captures

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

activity_main.xml recipe.xml Recipe.java MainActivity.java

Attributes

Ab ingredient4TextView

id ingredient4TextView

Declared Attributes

Layout

layout_width match_parent

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

text @string/txtIngredient4

text

contentDescription

textAppearance @android:style/TextAp

fontFamily

typeface

textSize 14sp

lineSpacingExtra

textColor @android:color/secondary

textStyle B I Tr

All Attributes

alpha

autoLink

autoSizeMaxTextSize

autoSizeMinTextSize

autoSizePresetSizes

autoSizeStepGranularity

autoSizeTextType

autoText

background

bufferType

Gradle

Resources

Add new resource

Name: ingredientTextSize

Project	
btnRecipeTextSize	30sp
ingredientTextSize	18sp
ingredientsTitleTextSize	22sp
textPadding_10dp	10dp
textPadding_5dp	5dp
titleTextSize	40sp
android	
app_icon_size	48dip
dialog_min_width_major	55%
dialog_min_width_minor	80%
notification_large_icon_height	64dp
notification_large_icon_width	64dp
thumbnail_height	360dp
thumbnail_width	360dp
Theme attributes	
actionBarSize	
dialogCornerRadius	
dialogPreferredPadding	
listPreferredItemPaddingLeft	
listPreferredItemPaddingRight	

Select this same text size dimension resource that we created for the first ingredient TextView

Then click OK

OK Cancel

Design Text

TODO Terminal Build Logcat Event Log

Source generation ended in 516 ms (21 minutes ago)

HealthyRecipes [C:\Users\nbashias1\Documents\AndroidStudioProjects\HealthyRecipes] - ...app\src\main\res\layout\recipe.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HealthyRecipes app src main res layout recipe.xml

1:Project

app manifests java edu.udayton.healthyrecipes MainActivity Recipe edu.udayton.healthyrecipes (androidTest) edu.udayton.healthyrecipes (test) generatedJava res drawable layout mipmap values Gradle Scripts

Resource Manager

2:Structure

Layout Captures

Favorites

Build Variants

Component Tree

LinearLayout(vertical)

- Ab recipeTitleTextView- "@string/recipe_title"
- Ab ingredientsTitleTextView- "@string/ingredients_title"
- Ab ingredient1TextView- "@string/ingredient_1"
- Ab ingredient2TextView- "@string/ingredient_2"
- Ab ingredient3TextView- "@string/ingredient_3"
- Ab ingredient4TextView- "@string/ingredient_4"

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves
3 garlic cloves, chopped
3 TB olive oil

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves
3 garlic cloves, chopped
3 TB olive oil

Attributes

Ab ingredient4TextView

id ingredient4TextView

Declared Attributes

Layout

layout_width match_parent

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

text @string/txtIngredient4

text

contentDescription

textAppearance @android:style/TextAp

fontFamily

typeface

textSize men/ingredientTextSize

lineSpacingExtra

textColor @android:color/secondary_text

textStyle B I Tr

All Attributes

alpha

autoLink

autoSizeMaxTextSize

autoSizeMinTextSize

autoSizePresetSizes

autoSizeStepGranularity

autoSizeTextType

autoText

background

bufferType

Use the Resource manager to set the text color to black

Design Text

TODO Terminal Build Logcat

Source generation ended in 516 ms (21 minutes ago)

Event Log

Device File Explorer

The screenshot shows the Android Studio interface with the project 'HealthyRecipes' open. The 'layout/recipe.xml' file is selected. The layout consists of a title 'Bruschetta Recipe' and a section titled 'Ingredients' containing a list of items: '4 plum tomatoes', '6 basil leaves', '3 garlic cloves, chopped', and '3 TB olive oil'. The text color for these ingredients is currently set to a light blue color. A yellow callout box with an arrow points to the 'textColor' attribute in the Properties panel, which is also set to a light blue color. A tooltip on the callout box says: 'Use the Resource manager to set the text color to black'.

HealthyRecipes app src main res layout recipe.xml

1:Project

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

activity_main.xml recipe.xml Recipe.java MainActivity.java

Attributes

Ab ingredient4TextView

id ingredient4TextView

Declared Attributes

Layout

layout_width match_parent

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

text @string/txtIngredient4

text

contentDescription

textAppearance @android:style/TextAp

fontFamily

typeface

textSize men/ingredientTextSize

lineSpacingExtra

textColor @android:color/secondary

textStyle B I Tr

All Attributes

alpha

autoLink

autoSizeMaxTextSize

autoSizeMinTextSize

autoSizePresetSizes

autoSizeStepGranularity

autoSizeTextType

autoText

background

bufferType

Attributes

Ab ingredient4TextView

id ingredient4TextView

Declared Attributes

Layout

layout_width match_parent

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

text @string/txtIngredient4

text

contentDescription

textAppearance @android:style/TextAp

fontFamily

typeface

textSize men/ingredientTextSize

lineSpacingExtra

textColor @android:color/secondary

textStyle B I Tr

All Attributes

alpha

autoLink

autoSizeMaxTextSize

autoSizeMinTextSize

autoSizePresetSizes

autoSizeStepGranularity

autoSizeTextType

autoText

background

bufferType

Resources

Add new resource

Project

colorAccent

colorPrimary

colorPrimaryDark

Theme attributes

Click this triangle to expand the android system colors

No Preview

OK Cancel

Design Text

TODO Terminal Build Logcat

Event Log

Source generation ended in 516 ms (21 minutes ago)

HealthyRecipes app src main res layout recipe.xml

1:Project

Resource Manager

2:Structure

Layout Captures

Build Variants

2:Favorites

Layouts

Build Captures

1:Project

activity_main.xml recipe.xml Recipe.java MainActivity.java

Attributes

Name: black

Declared Attributes

Layout

Common Attributes

All Attributes

Gradle

Resource

Add new resource

Project

colorAccent

colorPrimary

colorPrimaryDark

android

background_dark

background_light

black

darker_gray

holo_blue_bright

holo_blue_dark

holo_blue_light

holo_green_dark

holo_green_light

holo_orange_dark

holo_orange_light

Select the black Android system color

Then click OK

OK Cancel

Design Text

TODO Terminal Build Logcat

Event Log

Source generation ended in 516 ms (21 minutes ago)

The screenshot shows the Android Studio interface with the 'Resources' dialog open. The 'black' color is selected from a list of system colors. A yellow callout with the text 'Select the black Android system color' points to the 'black' color swatch. Another yellow callout with the text 'Then click OK' points to the 'OK' button at the bottom right of the dialog. The 'Attributes' tab on the right shows the XML code for the color resource.



HealthyRecipes > app > src > main > res > layout > recipe.xml

1:Project

Resource Manager

2:Structure

3:Favorites

Build Variants

Layout Captures

Activity_main.xml recipe.xml Recipe.java MainActivity.java

Attributes

Ab ingredient4TextView

onClick

overScrollMode

padding [?, ?, ?, ?, ?]

password

phoneNumber

privateImeOptions

requiresFadingEdge

rotation

rotationX

rotationY

saveEnabled

scaleX

scaleY

scrollHorizontally

scrollI

scrollY

scrollbarAlwaysDraw

scrollbarAlwaysDraw

scrollbarDefaultDela

scrollbarFadeDuratio

scrollbarSize

scrollbarStyle

scrollbarThumbHoriz

scrollbarThumbVerti

scrollbarTrackHorizo

scrollbarTrackVertica

scrollbars

selectAllOnFocus

shadowColor

shadowDx

shadowDy

shadowRadius

Bruschetta Recipe

Ingredients

4 plum tomatoes

6 basil leaves

3 garlic cloves, chopped

3 TB olive oil

Component Tree

LinearLayout(vertical)

Ab recipeTitleTextView- "@string/recipe_title"

Ab ingredientsTitleTextView- "@string/ingredients_title"

Ab ingredient1TextView- "@string/ingredient_1"

Ab ingredient2TextView- "@string/ingredient_2"

Ab ingredient3TextView- "@string/ingredient_3"

Ab ingredient4TextView- "@string/ingredient_4"

Sc

Design Text

Scroll down to and click this arrow to expand the padding attribute group

A yellow callout bubble with an arrow points to the right edge of the "padding" row in the Attributes panel, indicating where to click to expand the attribute group.

HealthyRecipes [C:\Users\nbashias1\Documents\AndroidStudioProjects\HealthyRecipes] - ...\\app\\src\\main\\res\\layout\\recipe.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HealthyRecipes app src main res layout recipe.xml

1:Project

app manifests java edu.udayton.healthyrecipes MainActivity Recipe edu.udayton.healthyrecipes (androidTest) edu.udayton.healthyrecipes (test) generatedJava res drawable layout mipmap values Gradle Scripts

Resource Manager

2:Structure

Build Variants

Layout Captures

2:Favorites

TODO Terminal Build Logcat

Source generation ended in 516 ms (21 minutes ago)

activity_main.xml recipe.xml Recipe.java MainActivity.java

Palette

Common Ab TextView

Text Button

Buttons ImageView

Widgets RecyclerView

Layouts <> <fragment>

Containers ScrollView

Google Switch

Legacy

Component Tree

LinearLayout(vertical)

Ab recipeTitleTextView- "@string/recipe_title"

Ab ingredientsTitleTextView- "@string/ingredients_title"

Ab ingredient1TextView- "@string/ingredient_1"

Ab ingredient2TextView- "@string/ingredient_2"

Ab ingredient3TextView- "@string/ingredient_3"

Ab ingredient4TextView- "@string/ingredient_4"

Design Text

Pixel 28 AppTheme Default (en-us) 33% Attributes

Ab ingredient4TextView

onClick

overScrollMode

padding [?, ?, ?, ?, ?]

padding

paddingLeft

paddingTop

paddingRight

paddingBottom

password

phoneNumber

privateImeOptions

requiresFadingEdge

rotation

rotationX

rotationY

saveEnabled

scaleX

scaleY

scrollHorizontally

scrollX

scrollY

scrollbarAlwaysDraw

scrollbarAlwaysDraw

scrollbarDefaultDela 400

scrollbarFadeDuratio 250

scrollbarSize 4dp

scrollbarStyle

scrollbarThumbHoriz @android:drawable(scroll)

scrollbarThumbVerti @android:drawable(scroll)

scrollbarTrackHorizo @null

scrollbarTrackVertica @android:drawable/confi

scrollbars

Bruschetta Recipe

Bruschetta Recipe

Ingredients

4 plum tomatoes

6 basil leaves

3 garlic cloves, chopped

3 TB olive oil

Use the resource manager to select the left padding (as indentation)

HealthyRecipes app src main res layout recipe.xml

1:Project

Resource Manager

2:Structure

Build Variants

Layout Captures

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

activity_main.xml recipe.xml Recipe.java MainActivity.java

Attributes

Ab ingredient4TextView

onClick

overScrollMode

padding

paddingLeft

paddingTop

paddingRight

paddingBottom

password

phoneNumber

privateImeOptions

requiresFadingEdge

rotation

rotationX

rotationY

saveEnabled

scaleX

scaleY

scrollHorizontally

scrollIIX

scrollIY

scrollbarAlwaysDraw

scrollbarAlwaysDraw

scrollbarDefaultDela

scrollbarFadeDuratio

scrollbarSize

scrollbarStyle

scrollbarThumbHoriz

scrollbarThumbVerti

scrollbarTrackHorizo

scrollbarTrackVertica

scrollbars

Gradle

Resources

Add new resource

Name: textPadding_10dp

Default: 10dp

Project

btnRecipeTextSize: 30sp

ingredientTextSize: 18sp

ingredientsTitleTextSize: 22sp

textPadding_10dp: 10dp

textPadding_5dp: 5dp

titleTextSize: 40sp

android

app_icon_size: 48dip

dialog_min_width_major: 55%

dialog_min_width_minor: 80%

notification_large_icon_height: 64dp

notification_large_icon_width: 64dp

thumbnail_height: 360dp

thumbnail_width: 360dp

Theme attributes

actionBarSize

dialogCornerRadius

dialogPreferredPadding

listPreferredItemPaddingLeft

listPreferredItemPaddingRight

Select this dimension resource for the left padding

Then click OK

OK Cancel

Design Text

The screenshot shows the Android Studio interface for a project named "HealthyRecipes". The "recipe.xml" layout file is open in the design editor. The layout consists of a title bar with the text "Bruschetta Recipe" and a list of ingredients:

```

    <LinearLayout>
        <TextView>Bruschetta Recipe</TextView>
        <Section>Ingredients</Section>
        <List>
            <Text>4 plum tomatoes</Text>
            <Text>6 basil leaves</Text>
            <Text>3 garlic cloves, chopped</Text>
            <Text>3 TB olive oil</Text>
        </List>
    </LinearLayout>

```

The "Attributes" panel on the right shows the properties for the last ingredient item, "3 TB olive oil". A yellow callout box with an arrow points to the "paddingLeft" attribute, which is set to "@dimen/textPadding_10dp". The callout contains the following text:

Since this is the last ingredient on the list, we should add some bottom padding to space it away from the Directions title

The "Component Tree" panel on the left shows the structure of the layout:

```

    <LinearLayout>
        <TextView>Bruschetta Recipe</TextView>
        <Section>Ingredients</Section>
        <List>
            <Text>4 plum tomatoes</Text>
            <Text>6 basil leaves</Text>
            <Text>3 garlic cloves, chopped</Text>
            <Text>3 TB olive oil</Text>
        </List>
    </LinearLayout>

```



HealthyRecipes > app > src > main > res > layout > recipe.xml

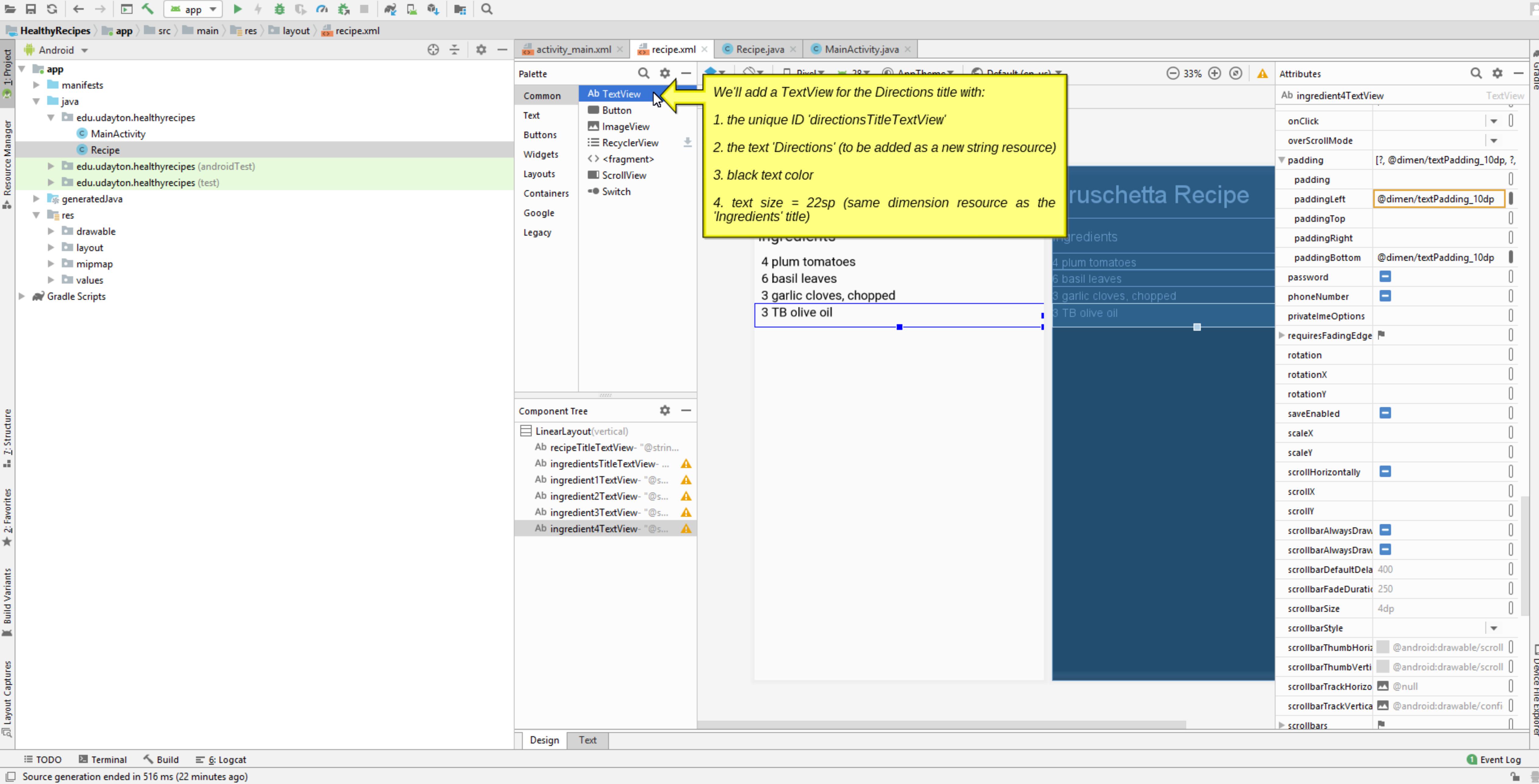
The screenshot shows the Android Studio interface with the project "HealthyRecipes" open. The "layout" tab is selected in the navigation bar, and the "recipe.xml" file is the active layout file. The "Attributes" panel on the right shows the properties for the currently selected view, which is a TextView with the ID "ingredient4TextView". The "paddingBottom" attribute is set to "@dimen/textPadding_10dp". The "Resources" dialog is open, displaying a list of dimension resources. A yellow callout box points to the "textPadding_10dp" entry, which has a value of "10dp". Another yellow callout box points to the "OK" button at the bottom right of the "Resources" dialog, with the text "Then click OK".

We can use this dimension resource for the bottom padding

Then click OK

OK Cancel

Name	Value
btnRecipeTextSize	30sp
ingredientTextSize	18sp
ingredientsTitleTextSize	22sp
textPadding_10dp	10dp
textPadding_5dp	5dp
titleTextSize	40sp
android	
app_icon_size	48dip
dialog_min_width_major	55%
dialog_min_width_minor	80%
notification_large_icon_height	64dp
notification_large_icon_width	64dp
thumbnail_height	360dp
thumbnail_width	360dp
Theme attributes	
actionBarSize	
dialogCornerRadius	
dialogPreferredPadding	
listPreferredItemPaddingLeft	
listPreferredItemPaddingRight	



HealthyRecipes [C:\Users\nbashias1\Documents\AndroidStudioProjects\HealthyRecipes] - ...\\app\\src\\main\\res\\layout\\recipe.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HealthyRecipes app src main res layout recipe.xml

1:Project

app manifests java edu.udayton.healthyrecipes MainActivity Recipe edu.udayton.healthyrecipes (androidTest) edu.udayton.healthyrecipes (test) generatedJava res drawable layout mipmap values Gradle Scripts

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Component Tree

LinearLayout(vertical)

- Ab recipeTitleTextView- "@string/recipe_title"
- Ab ingredientsTitleTextView- ...
- Ab ingredient1TextView- "@s..."
- Ab ingredient2TextView- "@s..."
- Ab ingredient3TextView- "@s..."
- Ab ingredient4TextView- "@s..."

Palette

Common Text Buttons Widgets Layouts Containers Google Legacy

Ab TextView Add to Design ✓ Favorite Android Documentation Material Guidelines

Pixel 28 AppTheme Default (en-us) 33% Attributes

The new Text View will appear directly below the fourth ingredient

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves
3 garlic cloves, chopped
3 TB olive oil

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves
3 garlic cloves, chopped
3 TB olive oil

Design Text

TODO Terminal Build Logcat

Source generation ended in 516 ms (22 minutes ago)

Event Log

Device File Explorer

The screenshot shows the Android Studio interface with the project 'HealthyRecipes' open. The layout editor is displaying the 'recipe.xml' file for the 'Bruschetta Recipe' screen. The layout consists of a title bar with the text 'Bruschetta Recipe' and a main content area. The content area has a title 'Ingredients' followed by a scrollable list of ingredients: '4 plum tomatoes', '6 basil leaves', '3 garlic cloves, chopped', and '3 TB olive oil'. On the left, the 'Component Tree' panel shows a 'LinearLayout' containing several TextView components. In the top center, the palette is open with the 'Text' tab selected, showing options like 'Button', 'ImageView', and 'TextView'. A yellow callout box with the text 'The new Text View will appear directly below the fourth ingredient' points to the 'Add to Design' button in the palette. The right side of the screen shows the XML code for the layout, with the 'Attributes' panel visible on the far right.

HealthyRecipes app src main res layout recipe.xml

1:Project

Android

Common Ab TextView

Text Button

Buttons ImageView

Widgets RecyclerView

Layouts <> <fragment>

Containers ScrollView

Legacy Switch

Component Tree

- LinearLayout(vertical)
 - Ab recipeTitleTextView- "@string/recipe_title"
 - Ab ingredientsTitleTextView- ...
 - Ab ingredient1TextView- "@s..."
 - Ab ingredient2TextView- "@s..."
 - Ab ingredient3TextView- "@s..."
 - Ab ingredient4TextView- "@s..."
 - Ab directionsTitleTextView- ...

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves
3 garlic cloves, chopped
3 TB olive oil

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves
3 garlic cloves, chopped
3 TB olive oil

Change the TextView's ID

Declared Attributes

Layout

Common Attributes

All Attributes

Attributes

Ab directionsTitleTextView

TextView

33%

Pixel 28 AppTheme Default (en-us)

Resource Manager

Gradle

2:Structure

2:Favorites

Build Variants

Layout Captures

Design Text

TODO Terminal Build Logcat

Event Log

Source generation ended in 516 ms (22 minutes ago)

The screenshot shows the Android Studio interface for editing the layout file `recipe.xml`. The project structure on the left indicates the app module contains `activity_main.xml`, `recipe.xml`, `Recipe.java`, and `MainActivity.java`. The `res` folder contains `drawable`, `layout`, `mipmap`, and `values` subfolders.

The main workspace displays the `recipe.xml` XML code for a Bruschetta Recipe. The XML includes a title section and an ingredients section:

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:orientation="vertical">
    <TextView
        android:id="@+id/recipeTitleTextView"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"/>
    <TextView
        android:id="@+id/ingredientsTitleTextView"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"/>
    <TextView
        android:id="@+id/ingredient1TextView"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"/>
    <TextView
        android:id="@+id/ingredient2TextView"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"/>
    <TextView
        android:id="@+id/ingredient3TextView"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"/>
    <TextView
        android:id="@+id/ingredient4TextView"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"/>
    <TextView
        android:id="@+id/directionsTitleTextView"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"/>

```

The `Palette` on the right lists various UI components like `Text`, `Buttons`, `Widgets`, and `Layouts`. The `Attributes` panel on the right shows the properties for the selected `directionsTitleTextView` component, which has an ID of `directionsTitleTextView`. A yellow callout box with the text "Use the Resource manager to add the string resource for the 'Directions' title" points to the `text` attribute field.

HealthyRecipes app src main res layout recipe.xml

1:Project

Resource Manager

2:Structure

Build Variants

Layout Captures

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

activity_main.xml recipe.xml Recipe.java MainActivity.java

Attributes

Ab directionsTitleTextView

id directionsTitleTextView

Declared Attributes

Layout

layout_width match_parent

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

text TextView

text

contentDescription

textAppearance @android:style/TextAp

fontFamily

typeface

textSize 14sp

lineSpacingExtra

textColor @android:color/secondary

textStyle B I Tr

All Attributes

alpha

autoLink

autoSizeMaxTextSize

autoSizeMinTextSize

autoSizePresetSizes

autoSizeStepGranularity

autoSizeTextType

autoText

background

bufferType

Gradle

Resources

Add new resource ▾

New string Value...

Select the 'New string Value...' option from the 'Add new resource' menu

No Preview

OK Cancel

Design Text

TODO Terminal Build Logcat

Event Log

Source generation ended in 516 ms (23 minutes ago)

The screenshot shows the Android Studio interface with the project 'HealthyRecipes' selected. In the center, the 'Resources' editor is open for the 'recipe.xml' file. A context menu is displayed over the 'Add new resource' button, with the 'New string Value...' option highlighted. A yellow callout box with the text 'Select the "New string Value..." option from the "Add new resource" menu' points to this menu item. The 'Attributes' panel on the right shows the 'directionsTitleTextView' with its 'id' attribute set to 'directionsTitleTextView'. The 'Text' tab of the Resources editor is active, showing a list of string resources.

The screenshot shows the Android Studio interface for a project named "HealthyRecipes". The "recipe.xml" layout file is open in the main editor. A "Resources" dialog is displayed, showing a list of existing resources and a "New String Value Resource" dialog. The "New String Value Resource" dialog has the following fields:

- Resource name: txtDirectionsTitle
- Resource value: Directions
- Source set: main

Three yellow callouts provide instructions:

1. Type the Resource name
2. Type the Resource value (string)
3. Click OK

The "Attributes" panel on the right shows the properties for the "directionsTitleTextView" element, which includes:

- id: directionsTitleTextView
- layout_width: match_parent
- layout_height: wrap_content
- text: Directions

The preview window shows the text "Bruschetta Recipe" and "Directions".

HealthyRecipes [C:\Users\nbashias1\Documents\AndroidStudioProjects\HealthyRecipes] - ...app\src\main\res\layout\recipe.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HealthyRecipes app src main res layout recipe.xml

1:Project

Java

edu.udayton.healthyrecipes

- MainActivity
- Recipe

generatedJava

res

- drawable
- layout
- mipmap
- values

Gradle Scripts

Resource Manager

2:Structure

Layout Captures

Favorites

Build Variants

Component Tree

- LinearLayout(vertical)
 - Ab recipeTitleTextView- "@string/...
 - Ab ingredientsTitleTextView- ...
 - Ab ingredient1TextView- "@s...
 - Ab ingredient2TextView- "@s...
 - Ab ingredient3TextView- "@s...
 - Ab ingredient4TextView- "@s...
 - Ab directionsTitleTextView- "...

Design Text

activity_main.xml recipe.xml Recipe.java MainActivity.java

Palette

Common Ab TextView

- Text
- Buttons
- Widgets
- Layouts
- Containers
- Google
- Legacy

Pixel 28 AppTheme Default (en-us) 33% Attributes

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves
3 garlic cloves, chopped
3 TB olive oil

Directions

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves
3 garlic cloves, chopped
3 TB olive oil

Directions

Attributes

- id directionsTitleTextView
- Declared Attributes
- Layout
- Common Attributes
- All Attributes

layout_width match_parent
layout_height wrap_content
layout_weight
visibility
visibility
text @string/txDirTitle
text
contentDescription
textAppearance @android:style/TextAp
fontFamily
typeface
textSize 14sp
lineSpacingExtra
textColor @android:color/secondary
textStyle B
alpha
autoLink
autoSizeMaxTextSize
autoSizeMinTextSize
autoSizePresetSizes
autoSizeStepGranul
autoSizeTextType
autoText
background
bufferType

Use the Resource manager to select the dimension resource for this sub-title's text size

Device File Explorer

TODO Terminal Build Logcat Event Log

Source generation ended in 516 ms (23 minutes ago)

HealthyRecipes app src main res layout recipe.xml

1:Project

Resource Manager

2:Structure

Build Variants

Layout Captures

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

activity_main.xml recipe.xml Recipe.java MainActivity.java

Attributes

Name: ingredientsTitleTextSize

Default 22sp

Declared Attributes

Layout

Common Attributes

All Attributes

Gradle

Directions Recipe

Select this same text size dimension resource that we created for the "Ingredients" sub-title

Then click OK

OK Cancel

Design Text

TODO Terminal Build Logcat Event Log

Source generation ended in 516 ms (23 minutes ago)

Detailed description: This screenshot shows the Android Studio interface for editing the 'recipe.xml' layout file. A yellow callout box points to the 'ingredientsTitleTextSize' entry in the 'Resources' editor, which is highlighted with a blue selection bar. Another yellow callout box points to the 'OK' button in the bottom right corner of the 'Resources' dialog. The 'Attributes' tab is selected in the 'Resources' dialog.

HealthyRecipes [C:\Users\nbashias1\Documents\AndroidStudioProjects\HealthyRecipes] - ...\\app\\src\\main\\res\\layout\\recipe.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HealthyRecipes app src main res layout recipe.xml

1:Project

app manifests java edu.udayton.healthyrecipes MainActivity Recipe edu.udayton.healthyrecipes (androidTest) edu.udayton.healthyrecipes (test) generatedJava res drawable layout mipmap values Gradle Scripts

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Design Text

Activity_main.xml recipe.xml Recipe.java MainActivity.java

Palette

Common Ab TextView

Text Button

Buttons ImageView

Widgets RecyclerView

Layouts <> <fragment>

Containers ScrollView

Legacy Switch

Component Tree

- LinearLayout(vertical)
 - Ab recipeTitleTextView- "@string/...
 - Ab ingredientsTitleTextView- ...
 - Ab ingredient1TextView- "@s...
 - Ab ingredient2TextView- "@s...
 - Ab ingredient3TextView- "@s...
 - Ab ingredient4TextView- "@s...
 - Ab directionsTitleTextView- "@s...

Attributes

Ab directionsTitleTextView

id directionsTitleTextView

Declared Attributes

Layout

layout_width match_parent

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

text @string/txtDirectionsTitle

text

contentDescription

textAppearance @android:style/TextAp

fontFamily

typeface

textSize ingredientsTitleTextSize

lineSpacingExtra

textColor @android:color/secondary_text

textStyle

All Attributes

alpha

autoLink

autoSizeMaxTextSize

autoSizeMinTextSize

autoSizePresetSizes

autoSizeStepGranularity

autoSizeTextType

autoText

background

bufferType

Use the Resource manager to set the text color to black

TODO Terminal Build Logcat

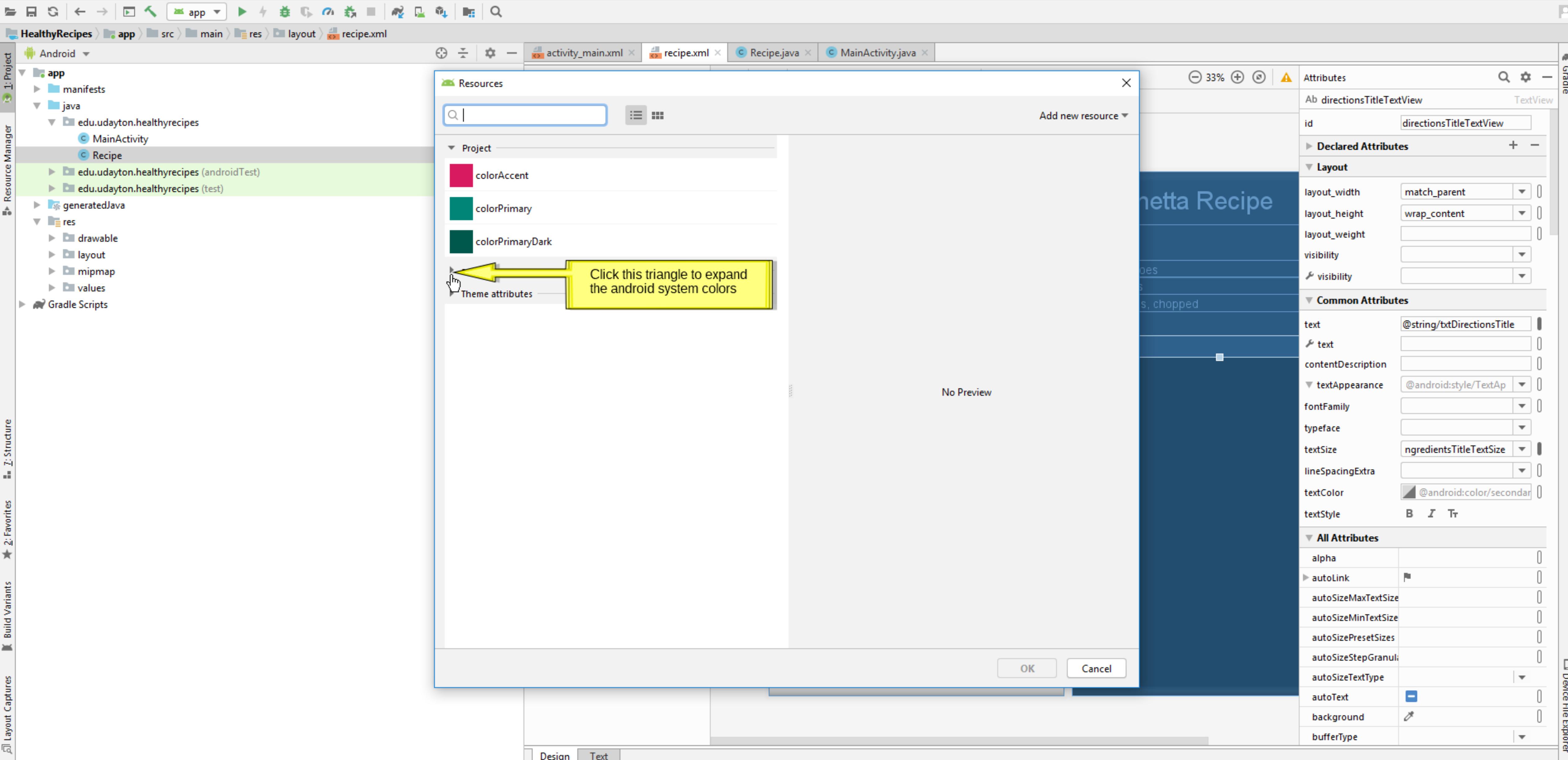
Source generation ended in 516 ms (23 minutes ago)

Event Log

Device File Explorer

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="wrap_content"
    android:layout_weight="1"
    android:orientation="vertical">
    <TextView
        android:id="@+id/recipeTitleTextView"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"
        android:layout_weight="1"/>
    <TextView
        android:id="@+id/ingredientsTitleTextView"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"/>
    <TextView
        android:id="@+id/ingredient1TextView"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"/>
    <TextView
        android:id="@+id/ingredient2TextView"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"/>
    <TextView
        android:id="@+id/ingredient3TextView"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"/>
    <TextView
        android:id="@+id/ingredient4TextView"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"/>
    <TextView
        android:id="@+id/directionsTitleTextView"
        android:layout_width="match_parent"
        android:layout_height="wrap_content"/>

```



HealthyRecipes app src main res layout recipe.xml

1:Project

Resource Manager

2:Structure

Layout Captures

Build Variants

2:Favorites

Layouts

Build Captures

1:Project

activity_main.xml recipe.xml Recipe.java MainActivity.java

Attributes

Ab directionsTitleTextView

id directionsTitleTextView

Declared Attributes

Layout

layout_width match_parent

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

text @string/txtDirectionsTitle

text

contentDescription

textAppearance @android:style/TextAp

fontFamily

typeface

textSize ingredientsTitleTextSize

lineSpacingExtra

textColor @android:color/secondary

textStyle

All Attributes

alpha

autoLink

autoSizeMaxTextSize

autoSizeMinTextSize

autoSizePresetSizes

autoSizeStepGranularity

autoSizeTextType

autoText

background

bufferType

Gradle

Resources

Add new resource

Name: black Default

Project

colorAccent

colorPrimary

colorPrimaryDark

android

background_dark

background_light

black

darker_gray

holo_blue_bright

holo_blue_dark

holo_blue_light

holo_green_dark

holo_green_light

holo_orange_dark

holo_orange_light

Select the black Android system color

@android:color/black
= #ff000000

Then click OK

OK Cancel

Design Text

TODO Terminal Build Logcat

Event Log

Source generation ended in 516 ms (23 minutes ago)

The screenshot shows the Android Studio interface with the 'Resources' editor open. In the center, there's a preview of a black square. To its left is a list of color names: 'black', 'darker_gray', 'holo_blue_bright', 'holo_blue_dark', 'holo_blue_light', 'holo_green_dark', 'holo_green_light', 'holo_orange_dark', and 'holo_orange_light'. The 'black' item is highlighted with a blue selection bar. A yellow callout with the text 'Select the black Android system color' has an arrow pointing to the 'black' swatch. At the bottom right of the preview area is an 'OK' button, with another yellow callout and arrow pointing to it, labeled 'Then click OK'. The background of the Resources editor shows other color swatches like 'colorAccent' (red), 'colorPrimary' (teal), and 'colorPrimaryDark' (dark teal). The right side of the screen displays the XML code for the 'black' resource, which defines it as '@android:color/black' with the hex value '#ff000000'. The top navigation bar shows tabs for 'activity_main.xml', 'recipe.xml', 'Recipe.java', and 'MainActivity.java'. The bottom navigation bar includes 'Design' and 'Text' tabs.

HealthyRecipes app src main res layout recipe.xml

1:Project

Resource Manager

2:Structure

Layout Captures

Build Variants

2: Favorites

Component Tree

Ab recipeTitleTextView- "@string/recipe_title" Ab ingredientsTitleTextView- "@string/ingredients_title" Ab ingredient1TextView- "@string/ingredient_1" Ab ingredient2TextView- "@string/ingredient_2" Ab ingredient3TextView- "@string/ingredient_3" Ab ingredient4TextView- "@string/ingredient_4" Ab directionsTitleTextView- "@string/directions_title"

Attributes

Ab directionsTitleTextView
onClick
overScrollMode
padding [?, ?, ?, ?]
password
phoneNumber
privateImeOptions
requiresFadingEdge
rotation
rotationX
rotationY
saveEnabled
scaleX
scaleY
scrollHorizontally
scrollIX
scrollLY
scrollbarAlwaysDraw
scrollbarDefaultDela 400
scrollbarFadeDuratio 250
scrollbarSize 4dp
scrollbarStyle
scrollbarThumbHoriz @android:drawable(scroll)
scrollbarThumbVerti @android:drawable(scroll)
scrollbarTrackHorizo @null
scrollbarTrackVertica @android:drawable/confi
scrollbars
selectAllOnFocus
shadowColor
shadowDx
shadowDy
shadowRadius

Design Text

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves
3 garlic cloves, chopped
3 TB olive oil

Directions

Scroll down to and click this arrow to expand the padding attribute group

HealthyRecipes app src main res layout recipe.xml

1:Project

Java

edu.udayton.healthyrecipes

MainActivity

Recipe

edu.udayton.healthyrecipes (androidTest)

edu.udayton.healthyrecipes (test)

generatedJava

res

drawable

layout

mipmap

values

Gradle Scripts

Resource Manager

2:Structure

Layout Captures

Build Variants

Favorites

Component Tree

LinearLayout(vertical)

- Ab recipeTitleTextView- "@string/recipe_title"
- Ab ingredientsTitleTextView- "@string/ingredients_title"
- Ab ingredient1TextView- "@string/ingredient_1"
- Ab ingredient2TextView- "@string/ingredient_2"
- Ab ingredient3TextView- "@string/ingredient_3"
- Ab ingredient4TextView- "@string/ingredient_4"
- Ab directionsTitleTextView- "@string/directions_title"

Design Text

activity_main.xml recipe.xml Recipe.java MainActivity.java

Palette

Common Ab TextView

- Button
- ImageView
- RecyclerView
- <> <fragment>
- ScrollView
- Switch

Text

Buttons

Widgets

Layouts

Containers

Google

Legacy

Attributes

Ab directionsTitleTextView

onClick

overScrollMode

padding

paddingLeft

paddingTop

paddingRight

paddingBottom

password

phoneNumber

privateMeOptions

requiresFadingEdge

rotation

rotationX

rotationY

saveEnabled

scaleX

scaleY

scrollHorizontally

scrollIIX

scrollIY

scrollbarAlwaysDraw

scrollbarAlwaysDraw

scrollbarDefaultDelta

scrollbarFadeDuration

scrollbarSize

scrollbarStyle

scrollbarThumbHorizontal

scrollbarThumbVertical

scrollbarTrackHorizontal

scrollbarTrackVertical

scrollbars

33%

Pixel 28 AppTheme Default (en-us)

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves
3 garlic cloves, chopped
3 TB olive oil

Directions

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves
3 garlic cloves, chopped
3 TB olive oil

Directions

Use the resource manager to select the left padding (as indentation)

```
<?xml version="1.0" encoding="utf-8"?>
<LinearLayout
    xmlns:android="http://schemas.android.com/apk/res/android"
    android:layout_width="match_parent"
    android:layout_height="match_parent"
    android:orientation="vertical">
    <TextView
        android:id="@+id/recipeTitleTextView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Bruschetta Recipe"/>
    <TextView
        android:id="@+id/ingredientsTitleTextView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Ingredients"/>
    <TextView
        android:id="@+id/ingredient1TextView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="4 plum tomatoes"/>
    <TextView
        android:id="@+id/ingredient2TextView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="6 basil leaves"/>
    <TextView
        android:id="@+id/ingredient3TextView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="3 garlic cloves, chopped"/>
    <TextView
        android:id="@+id/ingredient4TextView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="3 TB olive oil"/>
    <TextView
        android:id="@+id/directionsTitleTextView"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:text="Directions"/>

```



HealthyRecipes > app > src > main > res > layout > recipe.xml

The screenshot shows the Android Studio interface with the project "HealthyRecipes" open. The "layout" directory contains the file "recipe.xml". The "Resources" dialog is displayed, showing dimension resources for the project. A yellow callout box points to the "textPadding_5dp" resource, which is highlighted in blue. Another yellow callout box below it says "Select this dimension resource for the left padding (same as for the Ingredients sub-title)". A third yellow callout box at the bottom right of the dialog says "Then click OK" with an arrow pointing to the "OK" button. The "Attributes" tab on the right shows properties for a TextView named "directionsTitleTextView".

Resources

Add new resource

Name: textPadding_5dp

Default: 5dp

Project	
btnRecipeTextSize	30sp
ingredientTextSize	18sp
ingredientsTitleTextSize	22sp
textPadding_10dp	10dp
textPadding_5dp	5dp
titleTextSize	40sp
android	
app_icon_size	48dip
dialog_min_width_major	55%
dialog_min_width_minor	80%
notification_large_icon_height	64dp
notification_large_icon_width	64dp
thumbnail_height	360dp
thumbnail_width	360dp
Theme attributes	
actionBarSize	
dialogCornerRadius	
dialogPreferredPadding	
listPreferredItemPaddingLeft	
listPreferredItemPaddingRight	

Attributes

Ab directionsTitleTextView

onClick

overScrollMode

padding

paddingLeft

paddingTop

paddingRight

paddingBottom

password

phoneNumber

privateImeOptions

requiresFadingEdge

rotation

rotationX

rotationY

saveEnabled

scaleX

scaleY

scrollHorizontally

scrollI

scrollY

scrollbarAlwaysDraw

scrollbarAlwaysDraw

scrollbarDefaultDelt

scrollbarFadeDurati

scrollbarSize

scrollbarStyle

scrollbarThumbHoriz

scrollbarThumbVerti

scrollbarTrackHorizo

scrollbarTrackVertica

scrollbars

Device File Explorer

Then click OK

OK Cancel

HealthyRecipes [C:\Users\nbashias1\Documents\AndroidStudioProjects\HealthyRecipes] - ...\\app\\src\\main\\res\\layout\\recipe.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HealthyRecipes app src main res layout recipe.xml

1:Project

Resource Manager

2:Structure

Layout Captures

Build Variants

2:Favorites

Component Tree

Ab TextView

Common Text Buttons Widgets Layouts Containers Google Legacy

activity_main.xml recipe.xml Recipe.java MainActivity.java

Pixel 28 AppTheme Default (en-us) 33% Attributes

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves
3 garlic cloves, chopped
3 TB olive oil

Directions

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves
3 garlic cloves, chopped
3 TB olive oil

Directions

Use the resource manager to select the bottom padding

Device File Explorer

Design Text

TODO Terminal Build Logcat Event Log

Source generation ended in 516 ms (24 minutes ago)



HealthyRecipes > app > src > main > res > layout > recipe.xml

1:Project

Resource Manager

2:Structure

Build Variants

Favorites

Layout Captures

Resources

Add new resource ▾

Project

Name	Value
btnRecipeTextSize	30sp
ingredientTextSize	18sp
ingredientsTitleTextSize	22sp
textPadding_10dp	10dp
textPadding_5dp	5dp
titleTextSize	40sp

Default 10dp

Name: **textPadding_10dp**

Attributes

Ab directionsTitleTextView
onClick
overScrollMode
padding
paddingLeft
paddingTop
paddingRight
paddingBottom
password
phoneNumber
privateImeOptions
requiresFadingEdge
rotation
rotationX
rotationY
saveEnabled
scaleX
scaleY
scrollHorizontally
scrollIIX
scrollLY
scrollbarAlwaysDraw
scrollbarAlwaysDraw
scrollbarDefaultDela
scrollbarFadeDuratio
scrollbarSize
scrollbarStyle
scrollbarThumbHoriz
scrollbarThumbVerti
scrollbarTrackHorizo
scrollbarTrackVertica
scrollbars

Select this dimension resource for the bottom padding

Then click OK

OK Cancel

Design Text

HealthyRecipes [C:\Users\nbashias1\Documents\AndroidStudioProjects\HealthyRecipes] - ...\\app\\src\\main\\res\\layout\\recipe.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HealthyRecipes app src main res layout recipe.xml

1:Project

app manifests java edu.udayton.healthyrecipes MainActivity Recipe edu.udayton.healthyrecipes (androidTest) edu.udayton.healthyrecipes (test) generatedJava res drawable layout mipmap values Gradle Scripts

Resource Manager

2:Structure

Layout Captures

Build Variants

2:Favorites

Component Tree

LinearLayout(vertical)

- Ab recipeTitleTextView- "@string/recipe_title"
- Ab ingredientsTitleTextView- "@string/ingredients_title"
- Ab ingredient1TextView- "@string/ingredient_1"
- Ab ingredient2TextView- "@string/ingredient_2"
- Ab ingredient3TextView- "@string/ingredient_3"
- Ab ingredient4TextView- "@string/ingredient_4"
- Ab directionsTitleTextView- "@string/directions_title"

Palette

Common Ab TextView

- Button
- ImageView
- RecyclerView
- <> <fragment>
- ScrollView
- Switch

Text

Buttons

Widgets

Layouts

Containers

Google

Legacy

activity_main.xml recipe.xml Recipe.java MainActivity.java

Pixel 28 AppTheme Default (en-us) 33% Attributes

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves
3 garlic cloves, chopped
3 TB olive oil

Directions

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves
3 garlic cloves, chopped
3 TB olive oil

Directions

Attributes

Ab directionsTitleTextView TextView

onClick

overScrollMode

padding [?, @dimen/textPadding_5dp, ?, ?]

padding

paddingLeft @dimen/textPadding_5dp

paddingTop

paddingRight

paddingBottom @dimen/textPadding_10dp

password

phoneNumber

privateMeOptions

requiresFadingEdge

rotation

rotationX

rotationY

saveEnabled

scaleX

scaleY

scrollHorizontally

scrollIX

scrollY

scrollbarAlwaysDraw

scrollbarAlwaysDraw

scrollbarDefaultDelta 400

scrollbarFadeDuration 250

scrollbarSize 4dp

scrollbarStyle

scrollbarThumbHorizontal @android:drawable(scroll)

scrollbarThumbVertical @android:drawable(scroll)

scrollbarTrackHorizontal @null

scrollbarTrackVertical @android:drawable(config)

scrollbars

Device File Explorer

Design Text

TODO Terminal Build Logcat Event Log

Source generation ended in 516 ms (25 minutes ago)

And, while we're at it, let's add some top padding, so that the Directions are set apart from the Ingredients



Resources

Add new resource

Name: textPadding_10dp

Default: 10dp

Project	
btnRecipeTextSize	30sp
ingredientTextSize	18sp
ingredientsTitleTextSize	22sp
textPadding_10dp	10dp
textPadding_5dp	5dp
titleTextSize	40sp
android	
app_icon_size	48dip
dialog_min_width_major	55%
dialog_min_width_minor	80%
notification_large_icon_height	64dp
notification_large_icon_width	64dp
thumbnail_height	360dp
thumbnail_width	360dp
Theme attributes	
actionBarSize	
dialogCornerRadius	
dialogPreferredPadding	
listPreferredItemPaddingLeft	
listPreferredItemPaddingRight	

Select this dimension resource for the top padding

Then click OK

OK Cancel

Attributes

Ab directionsTitleTextView
onClick overScrollMode
padding
paddingLeft @dimen/textPadding_5dp
paddingTop
paddingRight
paddingBottom @dimen/textPadding_10dp
password
phoneNumber
privateImeOptions
requiresFadingEdge
rotation
rotationX
rotationY
saveEnabled
scaleX
scaleY
scrollHorizontally
scrollIIX
scrollLY
scrollbarAlwaysDraw
scrollbarAlwaysDraw
scrollbarDefaultDelta 400
scrollbarFadeDuration 250
scrollbarSize 4dp
scrollbarStyle
scrollbarThumbHorizontal @android:drawable(scroll)
scrollbarThumbVertical @android:drawable(scroll)
scrollbarTrackHorizontal @null
scrollbarTrackVertical @android:drawable(config)
scrollbars

Design Text

We'll add each of the two lines of directions as a separate TextView with:

1. a unique ID 'directionsTextView?', where ? is 1 for the first line and 2 for the second line
2. the line text (each as a new string resource)
3. black text color
4. text size = 18sp (the same dimension resource we created and used for the ingredients list TextViews)

Bruschetta Recipe

Ingredients

- 4 plum tomatoes
- 6 basil leaves
- 3 garlic cloves, chopped
- 3 TB olive oil

Directions

Component Tree

- LinearLayout(vertical)
 - Ab recipeTitleTextView- "@string/recipe_title"
 - Ab ingredientsTitleTextView- "@string/ingredients_title"
 - Ab ingredient1TextView- "@string/ingredient_1"
 - Ab ingredient2TextView- "@string/ingredient_2"
 - Ab ingredient3TextView- "@string/ingredient_3"
 - Ab ingredient4TextView- "@string/ingredient_4"
 - Ab directionsTitleTextView- "@string/directions_title"

Attributes

- Ab directionsTitleTextView
- onClick
- overScrollMode
- padding
 - [?], @dimen/textPadding_5dp, @c
 - padding
 - paddingLeft **@dimen/textPadding_5dp**
 - paddingTop **@dimen/textPadding_10dp**
 - paddingRight
 - paddingBottom **@dimen/textPadding_10dp**
- password
- phoneNumber
- privateMeOptions
- requiresFadingEdge
- rotation
- rotationX
- rotationY
- saveEnabled
- scaleX
- scaleY
- scrollHorizontally
- scrollIIX
- scrollIY
- scrollbarAlwaysDraw
- scrollbarAlwaysDraw
- scrollbarDefaultDelta **400**
- scrollbarFadeDuration **250**
- scrollbarSize **4dp**
- scrollbarStyle
- scrollbarThumbHorizontal **@android:drawable(scroll_bar_h)**
- scrollbarThumbVertical **@android:drawable(scroll_bar_v)**
- scrollbarTrackHorizontal **@null**
- scrollbarTrackVertical **@android:drawable(scroll_bar_t)**
- scrollbars

The first new Text View, for the first line of directions, will appear directly below the Directions sub-title

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves
3 garlic cloves, chopped
3 TB olive oil

Directions

Bruschetta Recipe

Ingredients

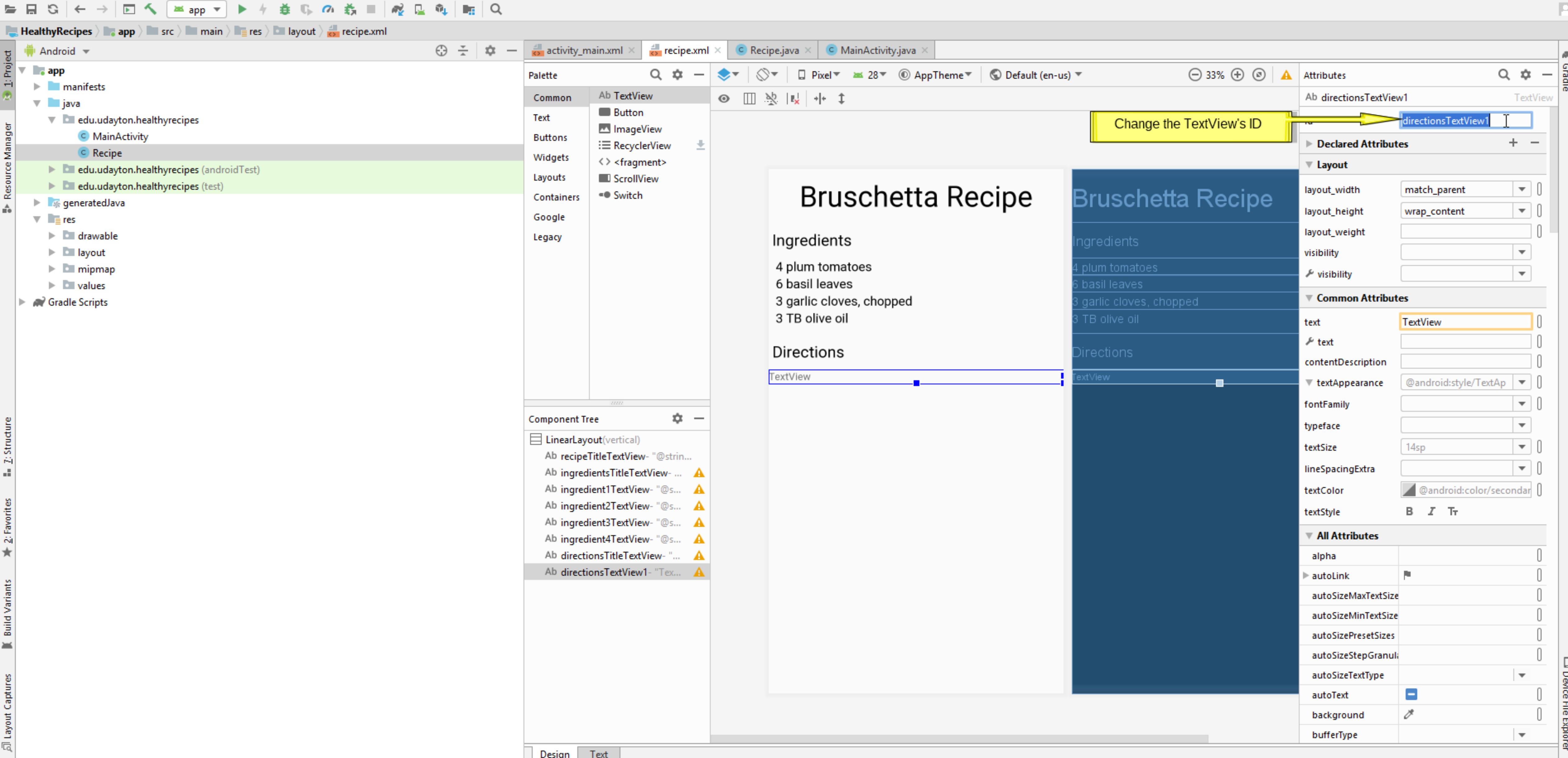
4 plum tomatoes
6 basil leaves
3 garlic cloves, chopped
3 TB olive oil

Directions

Component Tree

- LinearLayout(vertical)
 - Ab recipeTitleTextView- "@string/recipe_title"
 - Ab ingredientsTitleTextView- ...
 - Ab ingredient1TextView- "@s..."
 - Ab ingredient2TextView- "@s..."
 - Ab ingredient3TextView- "@s..."
 - Ab ingredient4TextView- "@s..."
 - Ab directionsTitleTextView- "..."

Design Text



HealthyRecipes app src main res layout recipe.xml

1:Project

app manifests java edu.udayton.healthyrecipes MainActivity Recipe edu.udayton.healthyrecipes (androidTest) edu.udayton.healthyrecipes (test) generatedJava res drawable layout mipmap values Gradle Scripts

Resource Manager

2:Structure

3:Favorites

Build Variants

Layout Captures

Design Text

activity_main.xml recipe.xml Recipe.java MainActivity.java

Palette

Common Ab TextView

- Text Button
- Buttons ImageView
- Widgets RecyclerView
- Layouts <> <fragment>
- Containers ScrollView
- Legacy Switch

Attributes

Ab directionsTextView1 TextView

id directionsTextView1

Declared Attributes

Layout

layout_width match_parent

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

text TextView

text

contentDescription

Component Tree

- LinearLayout(vertical)
 - Ab recipeTitleTextView- "@string/recipe_title"
 - Ab ingredientsTitleTextView- "@string/ingredients_title"
 - Ab ingredient1TextView- "@string/ingredient_1"
 - Ab ingredient2TextView- "@string/ingredient_2"
 - Ab ingredient3TextView- "@string/ingredient_3"
 - Ab ingredient4TextView- "@string/ingredient_4"
 - Ab directionsTitleTextView- "@string/directions_title"
 - Ab directionsTextView1- "Combine the ingredients and add salt to taste."

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves
3 garlic cloves, chopped
3 TB olive oil

Directions

Combine the ingredients and add salt to taste.

Use the Resource manager to add the string resource for the first line text:

"Combine the ingredients and add salt to taste."

lineSpacingExtra

textColor @android:color/secondary

textStyle B I Tr

All Attributes

alpha

autoLink

autoSizeMaxTextSize

autoSizeMinTextSize

autoSizePresetSizes

autoSizeStepGranularity

autoSizeTextType

autoText

background

bufferType

Device File Explorer

HealthyRecipes app src main res layout recipe.xml

1:Project

Resource Manager

2:Structure

Build Variants

Layout Captures

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

activity_main.xml recipe.xml Recipe.java MainActivity.java

Attributes

Add new resource ▾ New string Value...

Select the 'New string Value...' option from the 'Add new resource' menu

Attributes

Declared Attributes

Layout

Common Attributes

All Attributes

Gradle

Resources

No Preview

OK Cancel

Design Text

Project

app_name Healthy Recipes

btnRecipeHint Click to see Bruschetta recipe

btnRecipeText View Recipe

txtBruschettalimage Bruschetta Picture

txtDirectionsTitle Directions

txtIngredient1 4 plum tomatoes

txtIngredient2 6 basil leaves

txtIngredient3 3 garlic cloves, chopped

txtIngredient4 3 TB olive oil

txtIngredientsTitle Ingredients

txtTitle Bruschetta Recipe

android

VideoView_error_button OK

VideoView_error_text_invalid_progress Hierdie video is nie geldig vir stro...

VideoView_error_text_unknown Kan nie hierdie video speel nie.

VideoView_error_title Videoprobleem

autocomplete

cancel Kanselleer

copy Kopieer

copyUrl Kopieer URL



HealthyRecipes > app > src > main > res > layout > recipe.xml

1:Project

Resource Manager

2:Structure

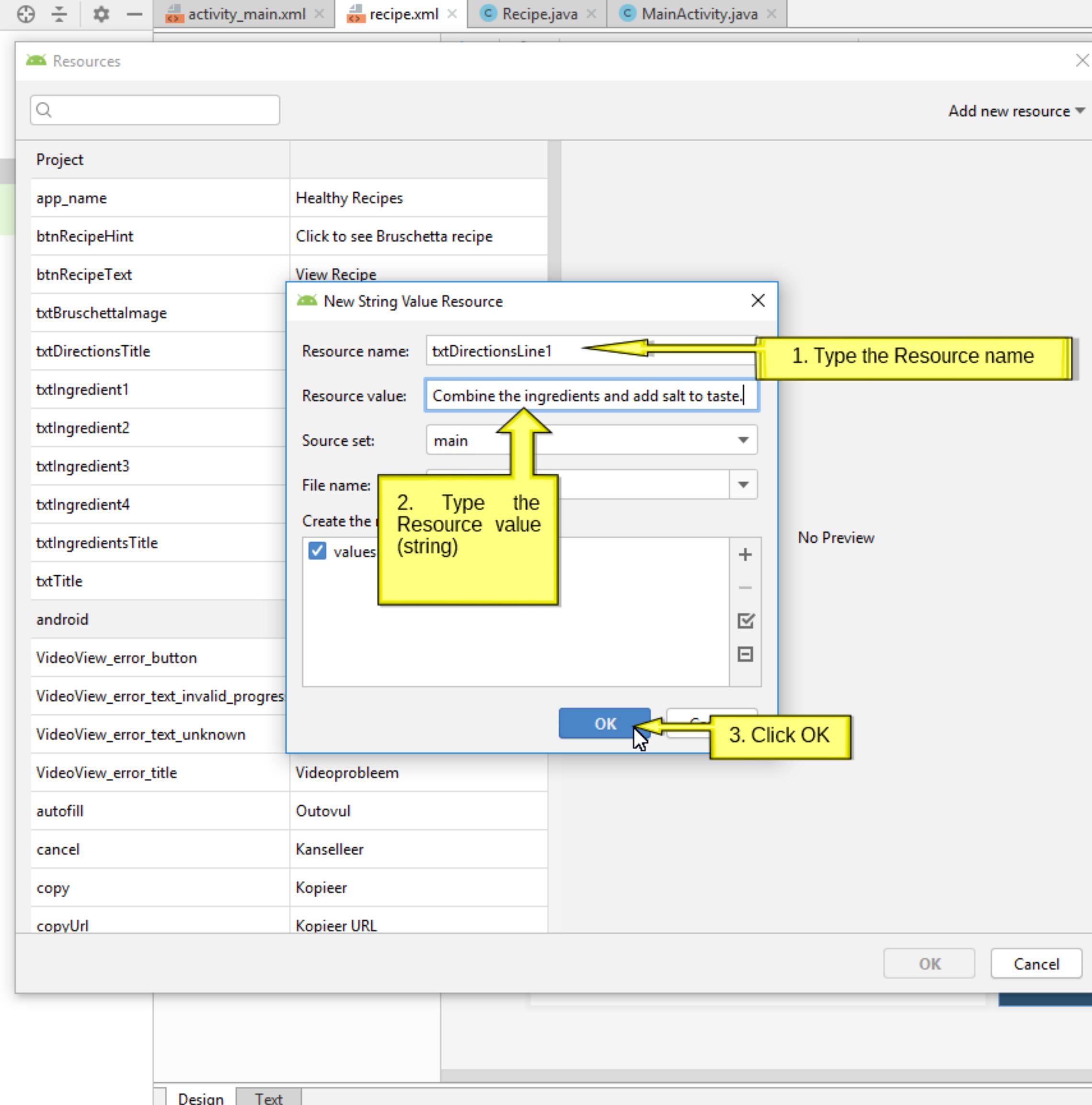
Favorites

Build Variants

Layout Captures

TODO Terminal Build Logcat

Source generation ended in 516 ms (25 minutes ago)



Attributes	
Ab directionsTextView1	TextView
Declared Attributes	
id	directionsTextView1
Layout	
layout_width	match_parent
layout_height	wrap_content
layout_weight	
visibility	
✓ visibility	
Common Attributes	
text	TextView
✓ text	
contentDescription	
textAppearance	
fontFamily	@android:style/TextAp
typeface	
textSize	14sp
lineSpacingExtra	
textColor	@android:color/secondary
textStyle	B I Tr
All Attributes	
alpha	
✓ autoLink	
autoSizeMaxTextSize	
autoSizeMinTextSize	
autoSizePresetSizes	
autoSizeStepGranul	
autoSizeTextType	
autoText	-
background	
bufferType	

Event Log

HealthyRecipes [C:\Users\nbashias1\Documents\AndroidStudioProjects\HealthyRecipes] - ...app\src\main\res\layout\recipe.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HealthyRecipes app src main res layout recipe.xml

1:Project

app manifests java edu.udayton.healthyrecipes MainActivity Recipe edu.udayton.healthyrecipes (androidTest) edu.udayton.healthyrecipes (test) generatedJava res drawable layout mipmap values Gradle Scripts

Resource Manager

2:Structure

Layout Captures

Build Variants

Favorites

Component Tree

LinearLayout(vertical)

- Ab recipeTitleTextView- "@string/recipeTitle"
- Ab ingredientsTitleTextView- "@string/ingredientsTitle"
- Ab ingredient1TextView- "@string/ingredient1"
- Ab ingredient2TextView- "@string/ingredient2"
- Ab ingredient3TextView- "@string/ingredient3"
- Ab ingredient4TextView- "@string/ingredient4"
- Ab directionsTitleTextView- "@string/directionsTitle"
- Ab directionsTextView1

Palette

Common Ab TextView

- Button
- ImageView
- RecyclerView
- <> <fragment>
- ScrollView
- Switch

Text

Buttons

Widgets

Layouts

Containers

Google

Legacy

Activity_main.xml recipe.xml Recipe.java MainActivity.java

Pixel 28 AppTheme Default (en-us) 33% Attributes

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves
3 garlic cloves, chopped
3 TB olive oil

Directions

Combine the ingredients and add salt to taste.

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves
3 garlic cloves, chopped
3 TB olive oil

Directions

Combine the ingredients and add salt to taste.

Attributes

Ab directionsTextView1

id directionsTextView1

Declared Attributes

Layout

layout_width match_parent

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

text @string/txtDirectionsLine1

text

contentDescription

textAppearance @android:style/TextAp

fontFamily

typeface

textSize 14sp

lineSpacingExtra

textColor @android:color/secondary

textStyle

All Attributes

alpha

autoLink

autoSizeMaxTextSize

autoSizeMinTextSize

autoSizePresetSizes

autoSizeStepGranul

autoSizeTextType

autoText

background

bufferType

Use the Resource manager to select the dimension resource for this ingredient's text size

Design Text

TODO Terminal Build Logcat

Event Log

Source generation ended in 516 ms (27 minutes ago)

HealthyRecipes app src main res layout recipe.xml

1:Project

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

activity_main.xml recipe.xml Recipe.java MainActivity.java

Attributes

Ab directionsTextView1 TextView

id directionsTextView1

Declared Attributes

Layout

Default 18sp

ingredientTextSize 18sp

Project

Name: ingredientTextSize

Default 18sp

btnRecipeTextSize 30sp

ingredientTextSize 18sp

ingredientsTitleTextSize 22sp

textPadding_10dp 10dp

textPadding_5dp 5dp

titleTextSize 40sp

android

app_icon_size 48dip

dialog_min_width_major 55%

dialog_min_width_minor 80%

notification_large_icon_height 64dp

notification_large_icon_width 64dp

thumbnail_height 360dp

thumbnail_width 360dp

Theme attributes

actionBarSize

dialogCornerRadius

dialogPreferredPadding

listPreferredItemPaddingLeft

listPreferredItemPaddingRight

Add new resource

Select this same text size dimension resource that we created for the ingredients

Then click OK

OK Cancel

Design Text

33% 33%

Gradle

Device File Explorer

HealthyRecipes [C:\Users\nbashias1\Documents\AndroidStudioProjects\HealthyRecipes] - ...app\src\main\res\layout\recipe.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HealthyRecipes app src main res layout recipe.xml

1:Project

Java

edu.udayton.healthyrecipes

- MainActivity
- Recipe

edu.udayton.healthyrecipes (androidTest)

edu.udayton.healthyrecipes (test)

generatedJava

res

- drawable
- layout
- mipmap
- values

Gradle Scripts

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Design Text

Activity_main.xml recipe.xml Recipe.java MainActivity.java

Palette

Common Ab TextView

- Text
- Buttons
- Widgets
- Layouts
- Containers
- Google
- Legacy

Pixel 28 AppTheme Default (en-us) 33% Attributes

Bruschetta Recipe

Ingredients

- 4 plum tomatoes
- 6 basil leaves
- 3 garlic cloves, chopped
- 3 TB olive oil

Directions

Combine the ingredients and add salt to taste.

Bruschetta Recipe

Ingredients

- 4 plum tomatoes
- 6 basil leaves
- 3 garlic cloves, chopped
- 3 TB olive oil

Directions

Combine the ingredients and add salt to taste.

Component Tree

- LinearLayout(vertical)
 - Ab recipeTitleTextView- "@string/recipeTitle"
 - Ab ingredientsTitleTextView- "@string/ingredientsTitle"
 - Ab ingredient1TextView- "@string/ingredient1"
 - Ab ingredient2TextView- "@string/ingredient2"
 - Ab ingredient3TextView- "@string/ingredient3"
 - Ab ingredient4TextView- "@string/ingredient4"
 - Ab directionsTitleTextView- "@string/directionsTitle"
 - Ab directionsTextView1- "@string/directionsText1"

Attributes

Ab directionsTextView1

id directionsTextView1

Declared Attributes

Layout

- layout_width match_parent
- layout_height wrap_content
- layout_weight
- visibility
- visibility

Common Attributes

- text @string/txtDirectionsLine1
- text
- contentDescription
- textAppearance @android:style/TextAppearance
- fontFamily
- typeface
- textSize sp/ingredientTextSize
- lineSpacingExtra
- textColor @android:color/secondary_text
- textStyle B I Tr

All Attributes

- alpha
- autoLink
- autoSizeMaxTextSize
- autoSizeMinTextSize
- autoSizePresetSizes
- autoSizeStepGranularity
- autoSizeTextType
- autoText
- background
- bufferType

Use the Resource manager to set the text color to black

Device File Explorer

TODO Terminal Build Logcat Event Log

Source generation ended in 516 ms (27 minutes ago)



Android

activity_main.xml recipe.xml Recipe.java MainActivity.java

Resources

Add new resource

Project

colorAccent
colorPrimary
colorPrimaryDark

Theme attributes

Click this triangle to expand the android system colors

No Preview

OK Cancel

Attributes

directionsTextView1

id directionsTextView1

Declared Attributes

Layout

layout_width match_parent

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

text @string/txtDirectionsLine1

text

contentDescription

textAppearance @android:style/TextAp

fontFamily

typeface

textSize men/ingredientTextSize

lineSpacingExtra

textColor @android:color/secondar

textStyle B I Tr

All Attributes

alpha

autoLink

autoSizeMaxTextSize

autoSizeMinTextSize

autoSizePresetSizes

autoSizeStepGranul

autoSizeTextType

autoText

background

bufferType

33%

Gradle

Netta Recipe

pes

s, chopped

ingredients and add salt to tas

Device File Explorer

Design Text

HealthyRecipes [C:\Users\nbashias1\Documents\AndroidStudioProjects\HealthyRecipes] - ...app\src\main\res\layout\recipe.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HealthyRecipes app src main res layout recipe.xml

1:Project

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Activity_main.xml recipe.xml Recipe.java MainActivity.java

Attributes

Name: black

Default

Add new resource

Declared Attributes

Layout

Common Attributes

All Attributes

Gradle

33%

Resources

Project

colorAccent

colorPrimary

colorPrimaryDark

android

background_dark

background_light

black

darker_gray

holo_blue_bright

holo_blue_dark

holo_blue_light

holo_green_dark

holo_green_light

holo_orange_dark

holo_orange_light

Select the black Android system color

@android:color/black
= #ff000000

Then click OK

OK Cancel

Design Text

TODO Terminal Build Logcat

Event Log

Source generation ended in 516 ms (27 minutes ago)

The screenshot shows the Android Studio interface with the 'recipe.xml' file open in the layout editor. On the left, the Project structure is visible, showing the 'app' module with its Java and resources. The 'res' folder contains 'drawable', 'layout', 'mipmap', and 'values' directories. The 'values' directory is currently selected. In the center, the 'Resources' editor is open, displaying the 'black' color resource. The 'Name' field is set to 'black' and the 'Default' dropdown is selected. The 'Declared Attributes' section shows the 'layout_width' and 'layout_height' attributes. The 'Layout' section shows the 'visibility' attribute. The 'Common Attributes' section includes 'text', 'contentDescription', 'textAppearance', 'fontFamily', 'typeface', 'textSize', 'lineSpacingExtra', 'textColor', and 'textStyle'. The 'All Attributes' section lists 'alpha', 'autoLink', 'autoSizeMaxTextSize', 'autoSizeMinTextSize', 'autoSizePresetSizes', 'autoSizeStepGranularity', 'autoSizeTextType', 'autoText', 'background', and 'bufferType'. On the left, a list of system colors is shown, with 'black' being selected. A yellow callout with the text 'Select the black Android system color' points to the 'black' swatch. At the bottom right of the dialog, another yellow callout with the text 'Then click OK' points to the 'OK' button.

HealthyRecipes app src main res layout recipe.xml

1:Project

app manifests java edu.udayton.healthyrecipes MainActivity Recipe edu.udayton.healthyrecipes (androidTest) edu.udayton.healthyrecipes (test) generatedJava res drawable layout mipmap values Gradle Scripts

Resource Manager

2:Structure

3:Favorites

Build Variants

Layout Captures

Design Text

Activity_main.xml recipe.xml Recipe.java MainActivity.java

Palette

Common Ab TextView

Text Button

Buttons ImageView

Widgets RecyclerView

Layouts <> <fragment>

Containers ScrollView

Google Switch

Legacy

Component Tree

- LinearLayout(vertical)
 - Ab recipeTitleTextView- "@string/recipe_title"
 - Ab ingredientsTitleTextView- ...
 - Ab ingredient1TextView- "@s..."
 - Ab ingredient2TextView- "@s..."
 - Ab ingredient3TextView- "@s..."
 - Ab ingredient4TextView- "@s..."
 - Ab directionsTitleTextView- "..."
 - Ab directionsTextView1- "@string/combine_directions"

Attributes

Ab directionsTextView1 TextView

overScrollMode

padding [?, ?, ?, ?, ?]

password

phoneNumber

privateImeOptions

requiresFadingEdge

rotation

rotationX

rotationY

saveEnabled

scaleX

scaleY

scrollHorizontally

scrollIX

scrollLY

scrollbarAlwaysDraw

scrollbarAlwaysDraw

scrollbarDefaultDela 400

scrollbarFadeDuratio 250

scrollbarSize 4dp

scrollbarStyle

scrollbarThumbHoriz @android:drawable(scroll)

scrollbarThumbVerti @android:drawable(scroll)

scrollbarTrackHorizo @null

scrollbarTrackVertica @android:drawable(confi)

scrollbars

selectAllOnFocus

shadowColor

shadowDx

shadowDy

shadowRadius

singleLine

Bruschetta Recipe

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves
3 garlic cloves, chopped
3 TB olive oil

Directions

Combine the ingredients and add salt to taste.

Combine the ingredients and add salt to tas

Scroll down to and click this arrow to expand the padding attribute group

Device File Explorer

HealthyRecipes app src main res layout recipe.xml

1:Project

Android

Common Ab TextView

Text Button

Buttons ImageView

Widgets RecyclerView

Layouts <> <fragment>

Containers ScrollView

Google Switch

Legacy

Component Tree

- LinearLayout(vertical)
 - Ab recipeTitleTextView- "@string/recipe_title"
 - Ab ingredientsTitleTextView- ...
 - Ab ingredient1TextView- "@s..."
 - Ab ingredient2TextView- "@s..."
 - Ab ingredient3TextView- "@s..."
 - Ab ingredient4TextView- "@s..."
 - Ab directionsTitleTextView- "..."
 - Ab directionsTextView1- "@string/combine_instructions"

Pixel 28 AppTheme Default (en-us) 33% Attributes

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves
3 garlic cloves, chopped
3 TB olive oil

Directions

Combine the ingredients and add salt to taste.

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves
3 garlic cloves, chopped
3 TB olive oil

Directions

Combine the ingredients and add salt to taste.

Use the resource manager to select the left padding (as indentation)

HealthyRecipes app src main res layout recipe.xml

1:Project

Resource Manager

2:Structure

Build Variants

Layout Captures

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

activity_main.xml recipe.xml Recipe.java MainActivity.java

Attributes

Name: textPadding_10dp

Default: 10dp

padding

paddingLeft

paddingTop

paddingRight

paddingBottom

password

phoneNumber

privateImeOptions

requiresFadingEdge

rotation

rotationX

rotationY

saveEnabled

scaleX

scaleY

scrollHorizontally

scrollIIX

scrollY

scrollbarAlwaysDraw

scrollbarAlwaysDraw

scrollbarDefaultDela

scrollbarFadeDuratio

scrollbarSize

scrollbarStyle

scrollbarThumbHoriz

scrollbarThumbVerti

scrollbarTrackHorizo

scrollbarTrackVertica

scrollbars

selectAllOnFocus

33%

Resources

Add new resource

Project

Name: textPadding_10dp

Default: 10dp

btnRecipeTextSize 30sp

ingredientTextSize 18sp

ingredientsTitleTextSize 22sp

textPadding_10dp 10dp

textPadding_5dp 5dp

titleTextSize 40sp

android

app_icon_size 48dip

dialog_min_width_major 55%

dialog_min_width_minor 80%

notification_large_icon_height 64dp

notification_large_icon_width 64dp

thumbnail_height 360dp

thumbnail_width 360dp

Theme attributes

actionBarSize

dialogCornerRadius

dialogPreferredPadding

listPreferredItemPaddingLeft

listPreferredItemPaddingRight

Select this dimension resource for the left padding (same as for each of the ingredient Text Views)

Then click OK

OK Cancel

Design Text

Device File Explorer

HealthyRecipes app src main res layout recipe.xml

1:Project

Common Ab TextView

Text Button

Buttons ImageView

Widgets RecyclerView

Layouts <> <fragment>

Containers ScrollView

Google Switch

Legacy

Component Tree

- LinearLayout(vertical)
 - Ab recipeTitleTextView- "@string/recipe_title"
 - Ab ingredientsTitleTextView- ...
 - Ab ingredient1TextView- "@s..."
 - Ab ingredient2TextView- "@s..."
 - Ab ingredient3TextView- "@s..."
 - Ab ingredient4TextView- "@s..."
 - Ab directionsTitleTextView- "..."
 - Ab directionsTextView1- "@st..."

Pixel 28 AppTheme Default (en-us) 33% Attributes

Add the second line of directions as a TextView

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves
3 garlic cloves, chopped
3 TB olive oil

Directions

Combine the ingredients and add salt to taste.

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves
3 garlic cloves, chopped
3 TB olive oil

Directions

Combine the ingredients and add salt to taste.

Attributes

- Ab directionsTextView1 TextView
- overScrollMode
- padding [?, @dimen/textPadding_10dp, ?]
- paddingLeft @dimen/textPadding_10dp
- paddingTop
- paddingRight
- paddingBottom
- password
- phoneNumber
- privateImeOptions
- requiresFadingEdge
- rotation
- rotationX
- rotationY
- saveEnabled
- scaleX
- scaleY
- scrollHorizontally
- scrollIX
- scrollLY
- scrollbarAlwaysDraw
- scrollbarAlwaysDraw
- scrollbarDefaultDela 400
- scrollbarFadeDuratio 250
- scrollbarSize 4dp
- scrollbarStyle
- scrollbarThumbHoriz @android:drawable(scroll)
- scrollbarThumbVerti @android:drawable(scroll)
- scrollbarTrackHorizo @null
- scrollbarTrackVertica @android:drawable(confi)
- scrollbars
- selectAllOnFocus

Design Text

The new Text View for the second line of directions will appear directly below the first line of directions

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves
3 garlic cloves, chopped
3 TB olive oil

Directions

Combine the ingredients and add salt to taste.

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves
3 garlic cloves, chopped
3 TB olive oil

Directions

Combine the ingredients and add salt to taste.

Component Tree

- LinearLayout(vertical)
 - Ab recipeTitleTextView- "@string/recipe_title"
 - Ab ingredientsTitleTextView- ...
 - Ab ingredient1TextView- "@s..."
 - Ab ingredient2TextView- "@s..."
 - Ab ingredient3TextView- "@s..."
 - Ab ingredient4TextView- "@s..."
 - Ab directionsTitleTextView- "..."
 - Ab directionsTextView1- "@st..."

Design Text

Attributes

Ab directionsTextView1	TextView
overScrollMode	[? , @dimen/textPadding_10dp, ?]
padding	[? , @dimen/textPadding_10dp, ?]
paddingLeft	@dimen/textPadding_10dp
paddingTop	
paddingRight	
paddingBottom	
password	-
phoneNumber	-
privateImeOptions	
requiresFadingEdge	-
rotation	
rotationX	
rotationY	
saveEnabled	-
scaleX	
scaleY	
scrollHorizontally	-
scrollIx	
scrollY	
scrollbarAlwaysDraw	-
scrollbarAlwaysDraw	-
scrollbarDefaultDela	400
scrollbarFadeDuratio	250
scrollbarSize	4dp
scrollbarStyle	
scrollbarThumbHoriz	@android:drawable(scroll)
scrollbarThumbVerti	@android:drawable(scroll)
scrollbarTrackHorizo	@null
scrollbarTrackVertica	@android:drawable(confi)
scrollbars	-
selectAllOnFocus	-

HealthyRecipes app src main res layout recipe.xml

1:Project

Android

Common Ab TextView

Text Button

Buttons ImageView

Widgets RecyclerView

Layouts <> <fragment>

Containers ScrollView

Legacy Switch

Palettes Pixel 28 AppTheme Default (en-us) 33% Attributes

Change the TextView's ID

Declared Attributes

Layout

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves
3 garlic cloves, chopped
3 TB olive oil

Directions

Combine the ingredients and add salt to taste.

Component Tree

- LinearLayout(vertical)
 - Ab recipeTitleTextView- "@string/recipe_title"
 - Ab ingredientsTitleTextView- ...
 - Ab ingredient1TextView- "@s..."
 - Ab ingredient2TextView- "@s..."
 - Ab ingredient3TextView- "@s..."
 - Ab ingredient4TextView- "@s..."
 - Ab directionsTitleTextView- "..."
 - Ab directionsTextView1- "@st..."
 - Ab directionsTextView2- "Tex..."

Attributes

Ab directionsTextView2 TextView

Declared Attributes

Layout

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves
3 garlic cloves, chopped
3 TB olive oil

Directions

Combine the ingredients and add salt to taste.

Common Attributes

text TextView

text

contentDescription

textAppearance @android:style/TextAp

fontFamily

typeface

textSize 14sp

lineSpacingExtra

textColor @android:color/secondary

textStyle B I Tr

All Attributes

alpha

autoLink

autoSizeMaxTextSize

autoSizeMinTextSize

autoSizePresetSizes

autoSizeStepGranul

autoSizeTextType

autoText

background

bufferType

Design Text

TODO Terminal Build Logcat Event Log

Source generation ended in 516 ms (28 minutes ago)

HealthyRecipes [C:\Users\nbashias1\Documents\AndroidStudioProjects\HealthyRecipes] - ...\\app\\src\\main\\res\\layout\\recipe.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HealthyRecipes app src main res layout recipe.xml

1:Project

app manifests java edu.udayton.healthyrecipes MainActivity Recipe edu.udayton.healthyrecipes (androidTest) edu.udayton.healthyrecipes (test) generatedJava res drawable layout mipmap values Gradle Scripts

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Design Text

Activity_main.xml recipe.xml Recipe.java MainActivity.java

Palette

Common Ab TextView

Text Button

Buttons ImageView

Widgets RecyclerView

Layouts <> <fragment>

Containers ScrollView

Legacy Switch

Attributes

Ab directionsTextView2 TextView

id directionsTextView2

Declared Attributes

Layout

layout_width match_parent

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

text TextView

text

contentDescription

Component Tree

LinearLayout(vertical)

Ab recipeTitleTextView- "@string/recipe_title"

Ab ingredientsTitleTextView- "@string/ingredients_title"

Ab ingredient1TextView- "@string/ingredient_1"

Ab ingredient2TextView- "@string/ingredient_2"

Ab ingredient3TextView- "@string/ingredient_3"

Ab ingredient4TextView- "@string/ingredient_4"

Ab directionsTitleTextView- "@string/directions_title"

Ab directionsTextView1- "@string/directions_text1"

Ab directionsTextView2- "Top French bread slices with mixture."

lineSpacingExtra

textColor @android:color/secondary

textStyle B I Tr

All Attributes

alpha

autoLink

autoSizeMaxTextSize

autoSizeMinTextSize

autoSizePresetSizes

autoSizeStepGranularity

autoSizeTextType

autoText

background

bufferType

Bruschetta Recipe

Bruschetta Recipe

Ingredients

4 plum tomatoes

6 basil leaves

3 garlic cloves, chopped

3 TB olive oil

Directions

Combine the ingredients and add salt to taste.

Combine the ingredients and add salt to taste.

Use the Resource manager to add the string resource for the second line text:

"Top French bread slices with mixture."

Source generation ended in 516 ms (28 minutes ago)

Event Log

HealthyRecipes app src main res layout recipe.xml

1:Project

Android

app manifests java edu.udayton.healthyrecipes MainActivity Recipe edu.udayton.healthyrecipes (androidTest) edu.udayton.healthyrecipes (test) generatedJava res drawable layout mipmap values Gradle Scripts

Resource Manager

2:Structure

3:Favorites

Build Variants

Layout Captures

Resources

Add new resource ▾ New string Value...

Select the 'New string Value...' option from the 'Add new resource' menu

No Preview

OK Cancel

Attributes

id directionsTextView2

Declared Attributes

Layout

Common Attributes

All Attributes

Gradle

Device File Explorer

Activity Main XML

Recipe XML

Recipe Java

Main Activity Java

33%

Bruschetta Recipe

Combine the ingredients and add salt to taste.

Directions

4 plum tomatoes

6 basil leaves

3 garlic cloves, chopped

3 TB olive oil

Ingredients

Bruschetta Recipe

OK

Hierdie video is nie geldig vir stro...

Kan nie hierdie video speel nie.

Videoprobleem

Outovul

Kanselleer

Kopieer

Design Text

TODO Terminal Build Logcat

Event Log



HealthyRecipes > app > src > main > res > layout > recipe.xml

The screenshot shows the Android Studio interface for a project named "HealthyRecipes". The "layout" tab is selected in the navigation bar, and the "recipe.xml" file is open. The "Resources" tool window is visible on the left, showing a list of resources like "app_name", "btnRecipeHint", and "txtBruschettalimage". A "New String Value Resource" dialog box is open in the center, prompting the user to enter a resource name ("txtDirectionsLine2"), a resource value ("Top French bread slices with mixture."), and a source set ("main"). Three yellow callout boxes with arrows point to the input fields: 1. "Type the Resource name" points to the "Resource name" field, 2. "Type the Resource value (string)" points to the "Resource value" field, and 3. "Click OK" points to the "OK" button at the bottom right of the dialog. To the right of the dialog, the XML code for the "recipe.xml" layout is partially visible, showing elements like "directionsTextView2" and "Brusche". The "Attributes" panel on the far right lists various TextView properties such as "text" (set to "Top French bread slices with mixture."), "fontFamily", "typeface", "textSize", "lineSpacingExtra", "textColor", and "textStyle".

HealthyRecipes [C:\Users\nbashias1\Documents\AndroidStudioProjects\HealthyRecipes] - ...app\src\main\res\layout\recipe.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HealthyRecipes app src main res layout recipe.xml

1:Project

app manifests java edu.udayton.healthyrecipes MainActivity Recipe edu.udayton.healthyrecipes (androidTest) edu.udayton.healthyrecipes (test) generatedJava res drawable layout mipmap values Gradle Scripts

Resource Manager

2:Structure

3:Favorites

Build Variants

Layout Captures

Design Text

Activity_main.xml recipe.xml Recipe.java MainActivity.java

Palette

Common Ab TextView

Text Button

Buttons ImageView

Widgets RecyclerView

Layouts <> <fragment>

Containers ScrollView

Legacy Switch

Component Tree

- LinearLayout(vertical)
 - Ab recipeTitleTextView- "@string/...
 - Ab ingredientsTitleTextView- ...
 - Ab ingredient1TextView- "@s...
 - Ab ingredient2TextView- "@s...
 - Ab ingredient3TextView- "@s...
 - Ab ingredient4TextView- "@s...
 - Ab directionsTitleTextView- "...
 - Ab directionsTextView1- "@st...
 - Ab directionsTextView2

Attributes

Ab directionsTextView2 TextView

id directionsTextView2

Declared Attributes

Layout

layout_width match_parent

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

text @string/txtDirectionsLine2

text

contentDescription

textAppearance @android:style/TextAp

fontFamily

typeface

textSize 14sp

lineSpacingExtra

textColor @android:color/secondary

textStyle

All Attributes

alpha

autoLink

autoSizeMaxTextSize

autoSizeMinTextSize

autoSizePresetSizes

autoSizeStepGranul

autoSizeTextType

autoText

background

bufferType

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves
3 garlic cloves, chopped
3 TB olive oil

Directions

Combine the ingredients and add salt to taste.

Top French bread slices with mixture.

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves
3 garlic cloves, chopped
3 TB olive oil

Directions

Combine the ingredients and add salt to taste.

Top French bread slices with mixture.

Use the Resource manager to select the dimension resource for this ingredient's text size

Device File Explorer

TODO Terminal Build Logcat

Source generation ended in 516 ms (29 minutes ago)

Event Log



Resources

Add new resource

Project	Name:
btnRecipeTextSize	30sp
ingredientTextSize	18sp
ingredientsTitleTextSize	22sp
textPadding_10dp	10dp
textPadding_5dp	5dp
titleTextSize	40sp
android	
app_icon_size	48dip
dialog_min_width_major	55%
dialog_min_width_minor	80%
notification_large_icon_height	64dp
notification_large_icon_width	64dp
thumbnail_height	360dp
thumbnail_width	360dp
Theme attributes	
actionBarSize	
dialogCornerRadius	
dialogPreferredPadding	
listPreferredItemPaddingLeft	
listPreferredItemPaddingRight	

Select this same text size dimension resource that we selected for the first line of directions

Then click OK

OK Cancel

Attributes

id directionsTextView2

Declared Attributes

Layout

Common Attributes

All Attributes

Gradle

Device File Explorer

Design Text

HealthyRecipes [C:\Users\nbashias1\Documents\AndroidStudioProjects\HealthyRecipes] - ...app\src\main\res\layout\recipe.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HealthyRecipes app src main res layout recipe.xml

1:Project

Java

edu.udayton.healthyrecipes

- MainActivity
- Recipe

generatedJava

res

- drawable
- layout
- mipmap
- values

Gradle Scripts

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Design Text

activity_main.xml recipe.xml Recipe.java MainActivity.java

Palette

Common Ab TextView

- Text
- Buttons
- Widgets
- Layouts
- Containers
- Google
- Legacy

Attributes

Ab directionsTextView2

id directionsTextView2

Declared Attributes

Layout

layout_width match_parent

layout_height wrap_content

layout_weight

visibility

visibility

Common Attributes

text @string/txtDirectionsLine2

text

contentDescription

textAppearance @android:style/TextAp

fontFamily

typeface

textSize men/ingredientTextSize

lineSpacingExtra

textColor @android:color/secondary

textStyle B I Tr

All Attributes

alpha

autoLink

autoSizeMaxTextSize

autoSizeMinTextSize

autoSizePresetSizes

autoSizeStepGranul

autoSizeTextType

autoText

background

bufferType

Use the Resource manager to set the text color to black

Bruschetta Recipe

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves
3 garlic cloves, chopped
3 TB olive oil

Directions

Combine the ingredients and add salt to taste.
Top French bread slices with mixture.

Component Tree

- LinearLayout(vertical)
 - Ab recipeTitleTextView- "@str..."
 - Ab ingredientsTitleTextView- ...
 - Ab ingredient1TextView- "@s..."
 - Ab ingredient2TextView- "@s..."
 - Ab ingredient3TextView- "@s..."
 - Ab ingredient4TextView- "@s..."
 - Ab directionsTitleTextView- "...
 - Ab directionsTextView1- "@st..."
 - Ab directionsTextView2- "@str..."

Pixel 28 AppTheme Default (en-us) 33% 33%

Source generation ended in 516 ms (29 minutes ago)

Event Log



Android

1: Project

app

- manifests
- java
 - edu.udayton.healthyrecipes
 - MainActivity
 - Recipe
 - edu.udayton.healthyrecipes (androidTest)
 - edu.udayton.healthyrecipes (test)
- generatedJava
- res
 - drawable
 - layout
 - mipmap
 - values

Resource Manager

2: Structure

2: Favorites

Build Variants

Layout Captures

Resources

activity_main.xml recipe.xml Recipe.java MainActivity.java

Attributes

Ab directionsTextView2
id directionsTextView2

Declared Attributes

Layout

- layout_width match_parent
- layout_height wrap_content
- layout_weight
- visibility
- visibility

Common Attributes

- text @string/txtDirectionsLine2
- text
- contentDescription
- textAppearance @android:style/TextAp
- fontFamily
- typeface
- textSize men/ingredientTextSize
- lineSpacingExtra
- textColor @android:color/secondary
- textStyle B I Tr

All Attributes

- alpha
- autoLink
- autoSizeMaxTextSize
- autoSizeMinTextSize
- autoSizePresetSizes
- autoSizeStepGranul
- autoSizeTextType
- autoText
- background
- bufferType

Click this triangle to expand the android system colors

No Preview

OK Cancel

Design Text

33%

Device File Explorer

TODO Terminal Build Logcat Event Log

Source generation ended in 516 ms (29 minutes ago)



Android Resources

Add new resource

Name: black

Default

Attributes

id directionsTextView2

Declared Attributes

Layout

Common Attributes

All Attributes

OK Cancel

Select the black Android system color

Then click OK

Background preview

Code view:

```
@android:color/black  
= #ff000000
```

Design Text

Directions

Text

Layout

Java

Manifests

edu.udayton.healthyrecipes

MainActivity

Recipe

edu.udayton.healthyrecipes (androidTest)

edu.udayton.healthyrecipes (test)

generatedJava

res

drawable

layout

mipmap

values

Gradle Scripts

Resource Manager

1:Project

2:Structure

Favorites

Build Variants

Layout Captures

Device File Explorer



HealthyRecipes > app > src > main > res > layout > recipe.xml

1:Project

Resource Manager

2:Structure

Build Variants

Layout Captures

Component Tree

Ab TextView

Common Text Buttons Widgets Layouts Containers Google Legacy

activity_main.xml recipe.xml Recipe.java MainActivity.java

Pixel 28 AppTheme Default (en-us) 33%

Attributes

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves
3 garlic cloves, chopped
3 TB olive oil

Directions

Combine the ingredients and add salt to taste.
Top French bread slices with mixture.

Scroll down to and click this arrow to expand the padding attribute group

4 plum tomatoes
6 basil leaves
3 garlic cloves, chopped
3 TB olive oil

Directions

Combine the ingredients and add salt to taste.
Top French bread slices with mixture.

padding [?, ?, ?, ?, ?]

password

phoneNumber

privateMeOptions

requiresFadingEdge

rotation

rotationX

rotationY

saveEnabled

scaleX

scaleY

scrollHorizontally

scrollIX

scrollY

scrollbarAlwaysDraw

scrollbarAlwaysDraw

scrollbarDefaultDela 400

scrollbarFadeDuratio 250

scrollbarSize 4dp

scrollbarStyle

scrollbarThumbHoriz @android:drawable(scroll)

scrollbarThumbVerti @android:drawable(scroll)

scrollbarTrackHorizo @null

scrollbarTrackVertica @android:drawable(confi

scrollbars

selectAllOnFocus

shadowColor

shadowDv

Component Tree

LinearLayout(vertical)

Ab recipeTitleTextView- "@string/recipe_title"
Ab ingredientsTitleTextView- ...
Ab ingredient1TextView- "@s...
Ab ingredient2TextView- "@s...
Ab ingredient3TextView- "@s...
Ab ingredient4TextView- "@s...
Ab directionsTitleTextView- "...
Ab directionsTextView1- "@st...
Ab directionsTextView2- "@str..."

Design Text

TODO Terminal Build Logcat

Source generation ended in 516 ms (29 minutes ago)

Event Log

HealthyRecipes [C:\Users\nbashias1\Documents\AndroidStudioProjects\HealthyRecipes] - ...\\app\\src\\main\\res\\layout\\recipe.xml [app] - Android Studio

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

HealthyRecipes app src main res layout recipe.xml

1:Project

Resource Manager

2:Structure

2:Favorites

Build Variants

Layout Captures

Activity_main.xml recipe.xml Recipe.java MainActivity.java

Attributes

Bruschetta Recipe

Ingredients

- 4 plum tomatoes
- 6 basil leaves
- 3 garlic cloves, chopped
- 3 TB olive oil

Directions

Combine the ingredients and add salt to taste.

Top French bread slices with mixture.

Bruschetta Recipe

Ingredients

- 4 plum tomatoes
- 6 basil leaves
- 3 garlic cloves, chopped
- 3 TB olive oil

Directions

Combine the ingredients and add salt to taste.

Top French bread slices with mixture.

Component Tree

- LinearLayout(vertical)
 - Ab recipeTitleTextView- "@string/recipe_title"
 - Ab ingredientsTitleTextView- "@string/ingredients_title"
 - Ab ingredient1TextView- "@string/ingredient_1"
 - Ab ingredient2TextView- "@string/ingredient_2"
 - Ab ingredient3TextView- "@string/ingredient_3"
 - Ab ingredient4TextView- "@string/ingredient_4"
 - Ab directionsTitleTextView- "@string/directions_title"
 - Ab directionsTextView1- "@string/directions_1"
 - Ab directionsTextView2- "@string/directions_2"

Design Text

Use the resource manager to select the left padding (as indentation)

Pixel 28 AppTheme Default (en-us) 33% Attributes

Common Ab TextView

- Button
- ImageView
- RecyclerView
- <> <fragment>
- ScrollView
- Switch

Text

Buttons

Widgets

Layouts

Containers

Google

Legacy

Device File Explorer

Source generation ended in 516 ms (29 minutes ago)

Event Log

HealthyRecipes app src main res layout recipe.xml

1:Project

Resource Manager

2:Structure

3:Favorites

Build Variants

Layout Captures

File Edit View Navigate Code Analyze Refactor Build Run Tools VCS Window Help

activity_main.xml recipe.xml Recipe.java MainActivity.java

Attributes

DirectionsTextView2

nextFocusRight

nextFocusUp

numeric

onClick

overScrollMode

padding

paddingLeft

paddingTop

paddingRight

paddingBottom

password

phoneNumber

privateImeOptions

requiresFadingEdge

rotation

rotationX

rotationY

saveEnabled

scaleX

scaleY

scrollHorizontally

scrollX

scrollY

scrollbarAlwaysDraw

scrollbarAlwaysDraw

scrollbarDefaultDelta

scrollbarFadeDuration

scrollbarSize

scrollbarStyle

scrollbarThumbHorizontal

scrollbarThumbVertical

scrollbarTrackHorizontal

33%

Resources

Add new resource

Name: textPadding_10dp

Default: 10dp

Project

btnRecipeTextSize: 30sp

ingredientTextSize: 18sp

ingredientsTitleTextSize: 22sp

textPadding_10dp: 10dp

textPadding_5dp: 5dp

titleTextSize: 40sp

android

app_icon_size: 48dip

dialog_min_width_major: 55%

dialog_min_width_minor: 80%

notification_large_icon_height: 64dp

notification_large_icon_width: 64dp

thumbnail_height: 360dp

thumbnail_width: 360dp

Theme attributes

actionBarSize

dialogCornerRadius

dialogPreferredPadding

listPreferredItemPaddingLeft

listPreferredItemPaddingRight

Select this dimension resource for the left padding (same as for the first line of directions)

Then click OK

OK Cancel

Design Text

Netta Recipe

pes

s, chopped

ings and add salt to tas

bread slices with mixture.

HealthyRecipes app src main res layout recipe.xml

[app] C:\Users\nbashias1\Documents\AndroidStudioProjects\HealthyRecipes\app\src\main\java\edu\udayton\healthyrecipes>MainActivity.java

Android

Project

app manifests java edu.udayton.healthyrecipes MainActivity Recipe edu.udayton.healthyrecipes (androidTest) edu.udayton.healthyrecipes (test) generatedJava res drawable layout mipmap values Gradle Scripts

Resource Manager

Palette

Common Ab TextView

- Button
- ImageView
- RecyclerView
- <> <fragment>
- ScrollView
- Switch

Text

Buttons

Widgets

Layouts

Containers

Google

Legacy

Attributes

Ab directionsTextView2 TextView nextFocusUp numeric onClick overScrollMode padding [?, @dimen/textPadding_10dp, ?] paddingLeft @dimen/textPadding_10dp paddingTop paddingRight paddingBottom password phoneNumber privateImeOptions requiresFadingEdge rotation rotationX rotationY saveEnabled scaleX scaleY scrollHorizontally scrollIX scrollLY scrollbarAlwaysDraw scrollbarDefaultDelta 400 scrollbarFadeDuration 250 scrollbarSize 4dp scrollbarStyle scrollbarThumbHorizontal @android:drawable(scroll) scrollbarThumbVertical @android:drawable(scroll) scrollbarTrackHorizontal @null

Bruschetta Recipe

Ingredients

4 plum tomatoes
6 basil leaves
3 garlic cloves, chopped

This ends Part 2 of Lesson 2.

In Part 3 of this lesson, we:

1. Add the Java code to MainActivity so that clicking its 'View Recipe' Button launches the Recipe activity
2. Test the app using the emulator with our Google Nexus 5 system image running Android OS 9 (Pie).

Component Tree

- LinearLayout(vertical)
 - Ab recipeTitleTextView- "@string/recipe_title"
 - Ab ingredientsTitleTextView- "@string/ingredients_title"
 - Ab ingredient1TextView- "@string/ingredient_1"
 - Ab ingredient2TextView- "@string/ingredient_2"
 - Ab ingredient3TextView- "@string/ingredient_3"
 - Ab ingredient4TextView- "@string/ingredient_4"
 - Ab directionsTitleTextView- "@string/directions_title"
 - Ab directionsTextView1- "@string/directions_1"
 - Ab directionsTextView2- "@string/directions_2"

Design Text