

Aula

Grupo de Botões

Botões de Opção

Component Tree

ConstraintLayout

Clear Constraints of Selection

Constrain >

Organize >

Align >

Chains >

Center >

Add helpers >

Convert to MotionLayout

Convert view...

Refactor >

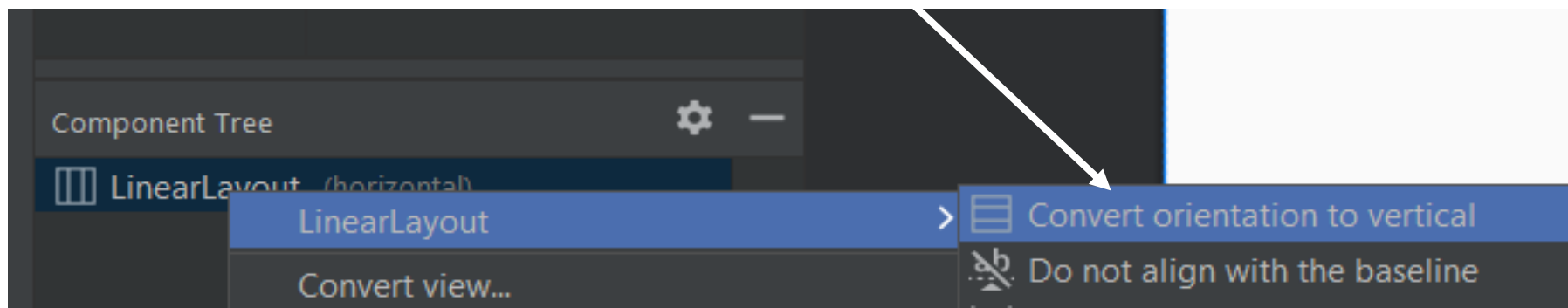
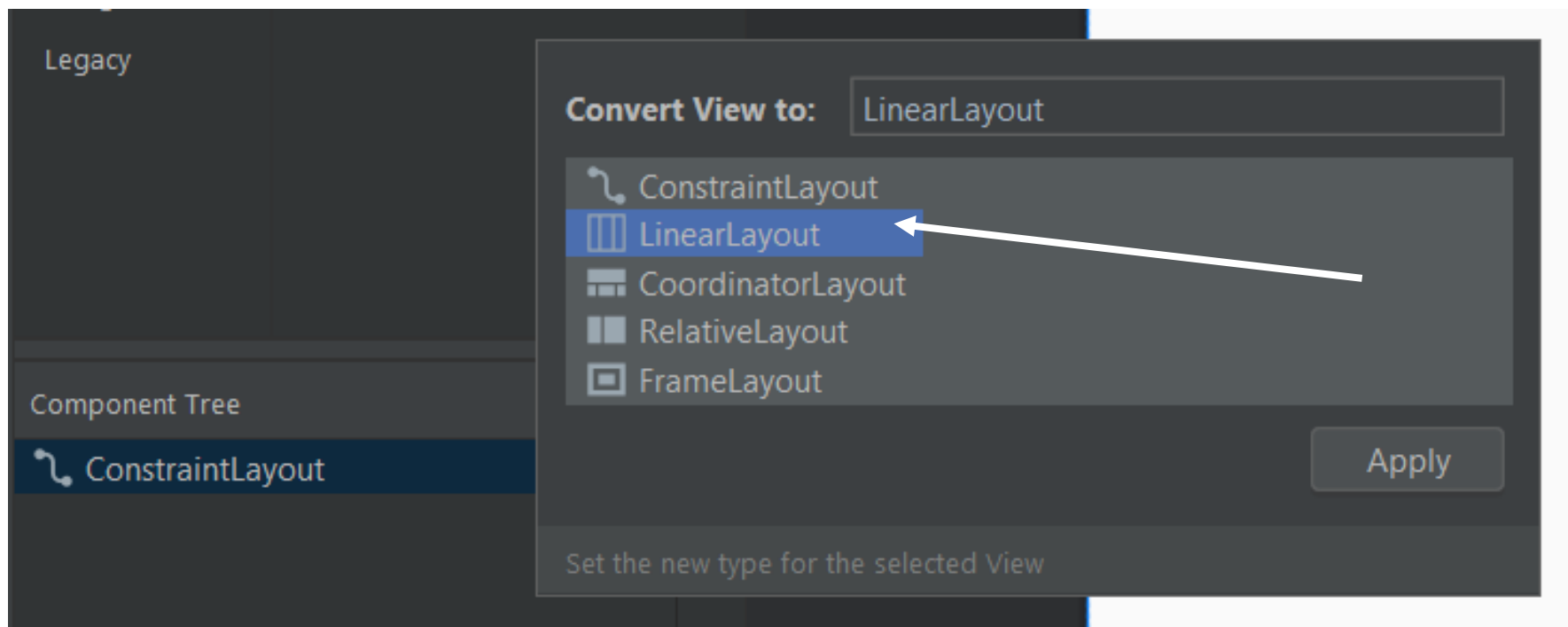
Cut Ctrl+X

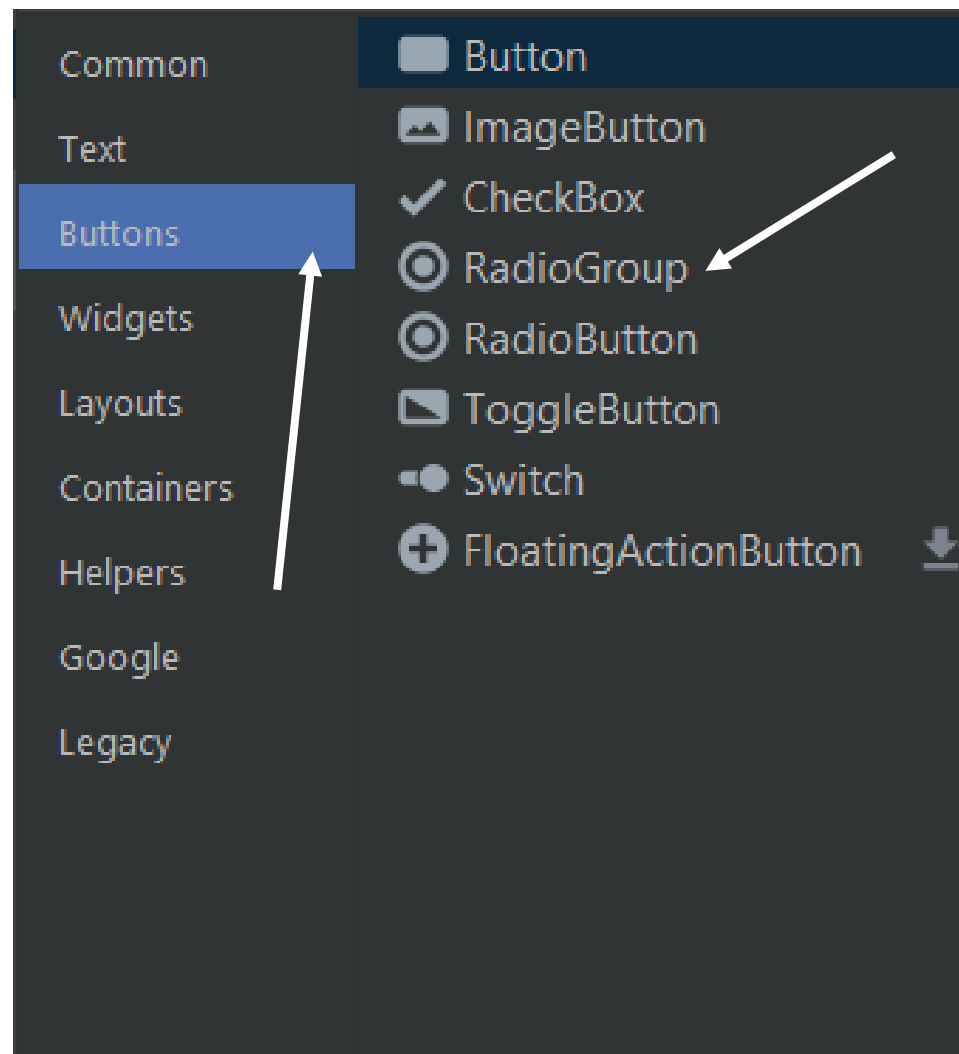
Copy Ctrl+C

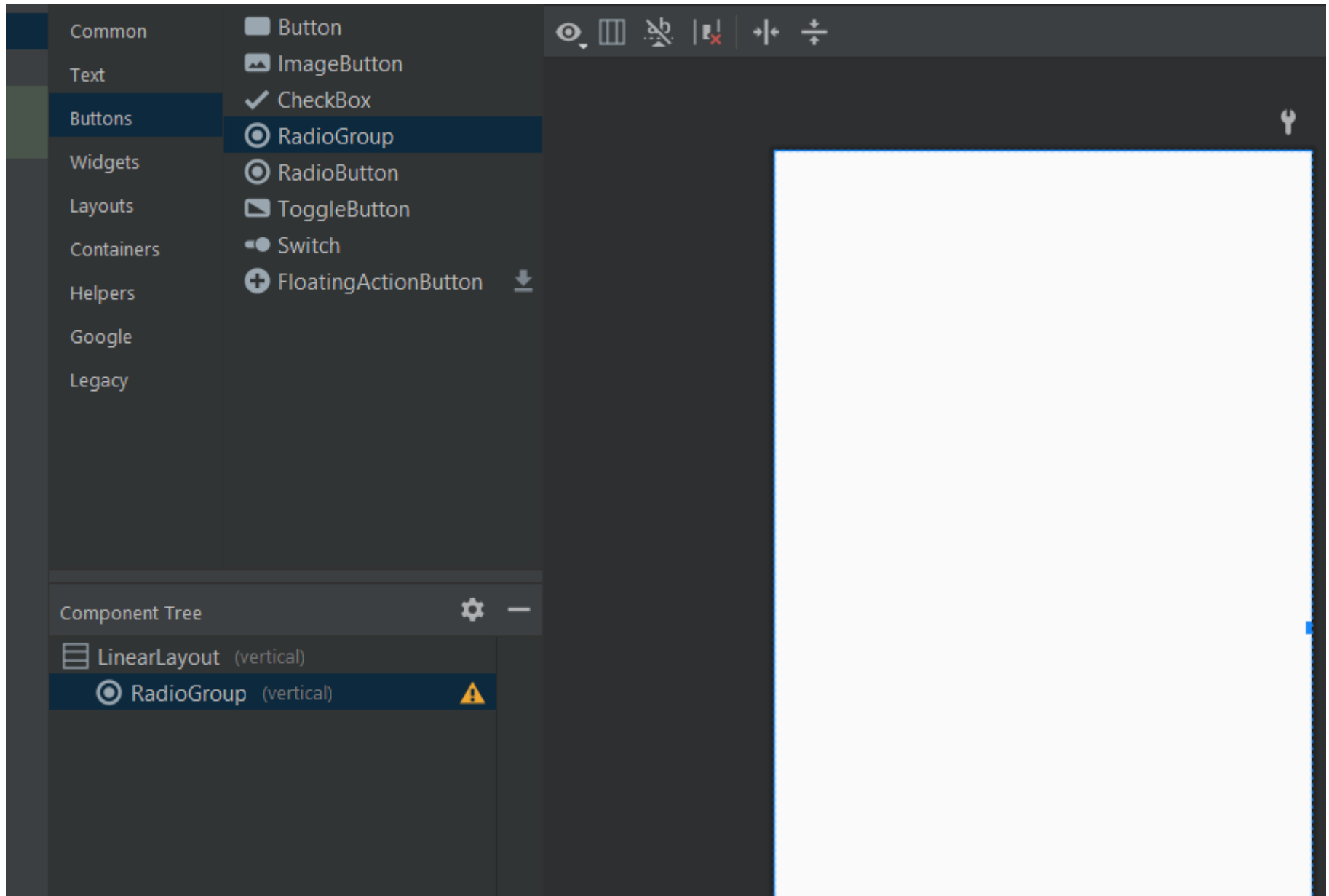
Paste Ctrl+V

Delete Excluir

Go to XML







Common

Text

Buttons

Widgets

Layouts

Containers

Helpers

Google

Legacy

Button

ImageButton

CheckBox

RadioGroup

RadioButton

ToggleButton

Switch

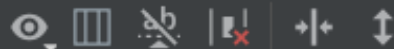
FloatingActionButton

Component Tree

LinearLayout (vertical)


RadioGroup (vertical)

radioButton "RadioButton"




RadioButton

Common


 Button

Text


 ImageButton

Buttons


✓ CheckBox

 RadioGroup

Widgets

 RadioButton


Layouts

 ToggleButton

Containers

● Switch

Helpers

 FloatingActionButton





Google

Legacy


Component Tree




 LinearLayout (vertical)

▼  RadioGroup (vertical)




 radioButton4 "RadioButton"




 radioButton3 "RadioButton"



 radioButton2 "RadioButton"



 radioButton "RadioButton"

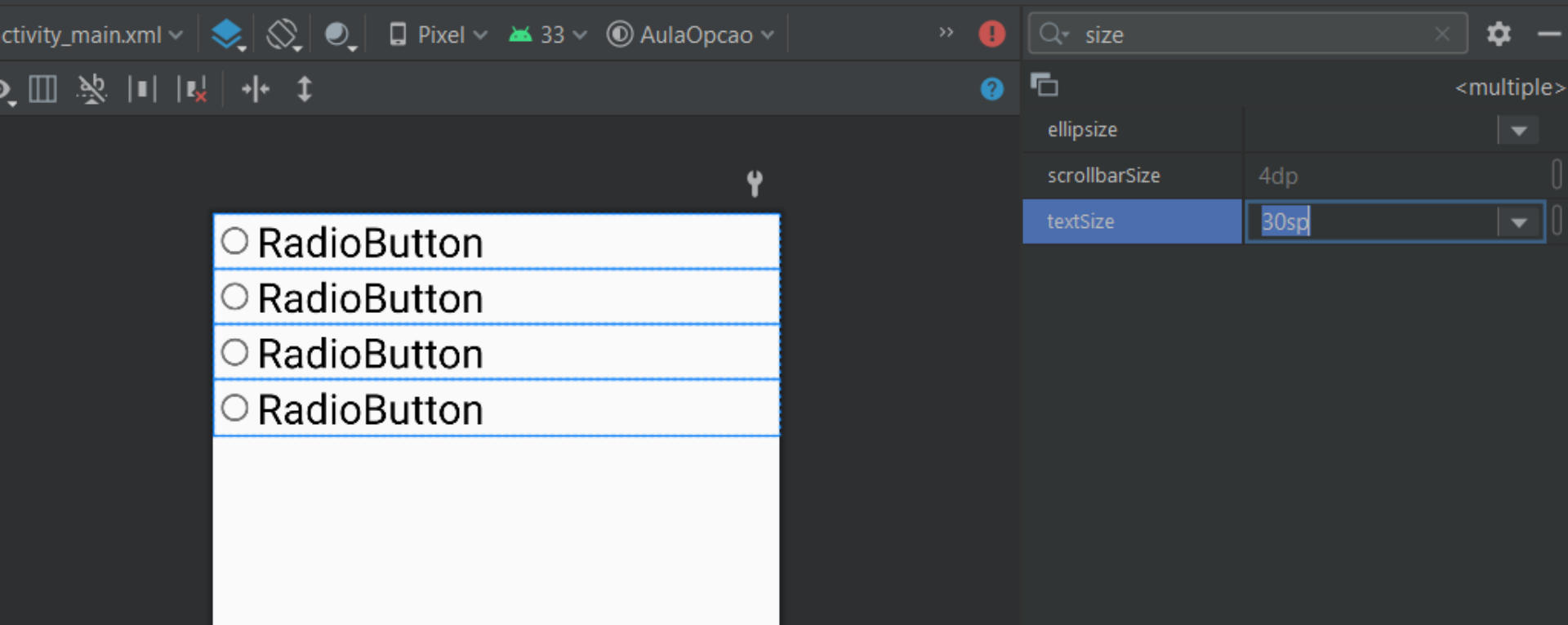


 RadioButton

 RadioButton

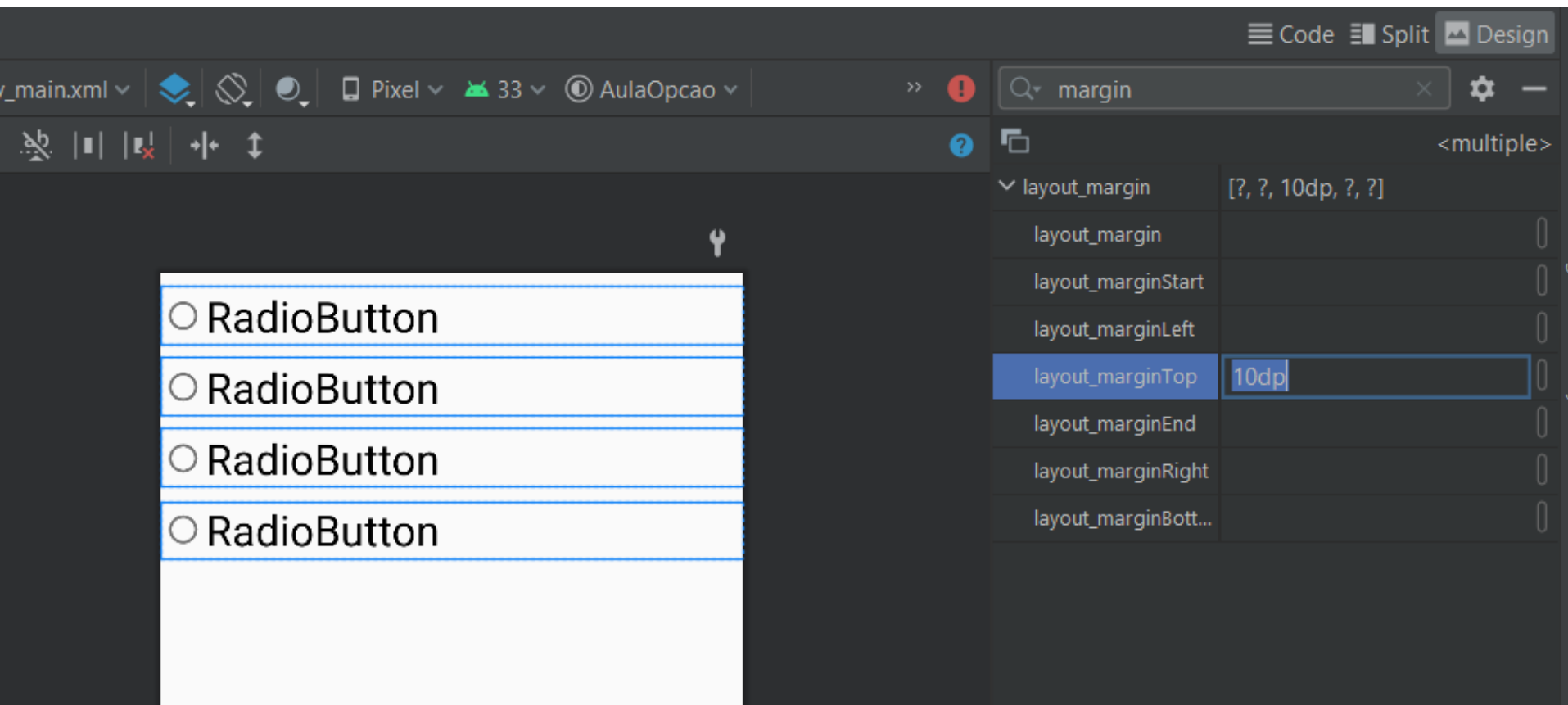
 RadioButton

 RadioButton



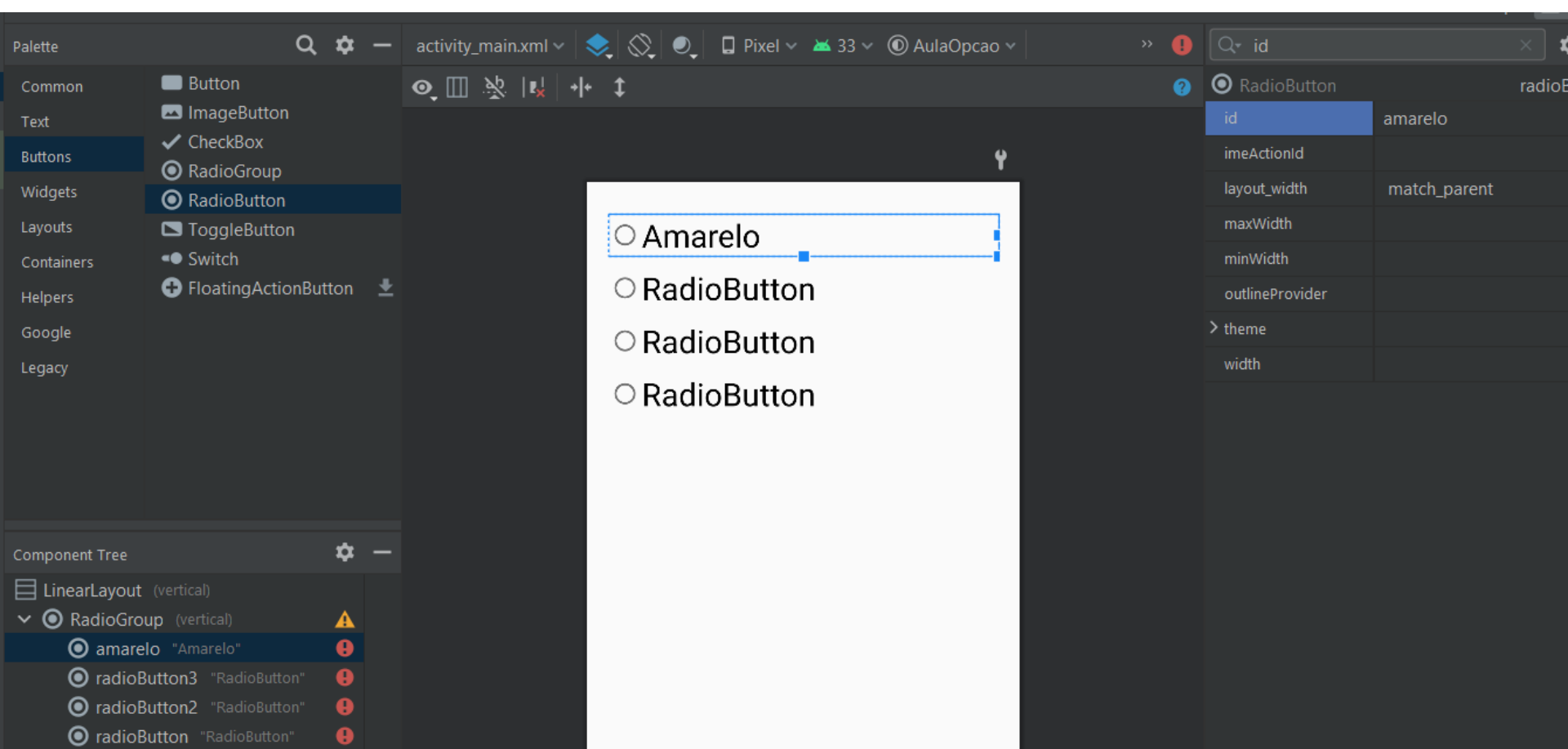
Marque os 4 botões de opção
ou faça individualmente;

Atributos – TextSize: 30sp

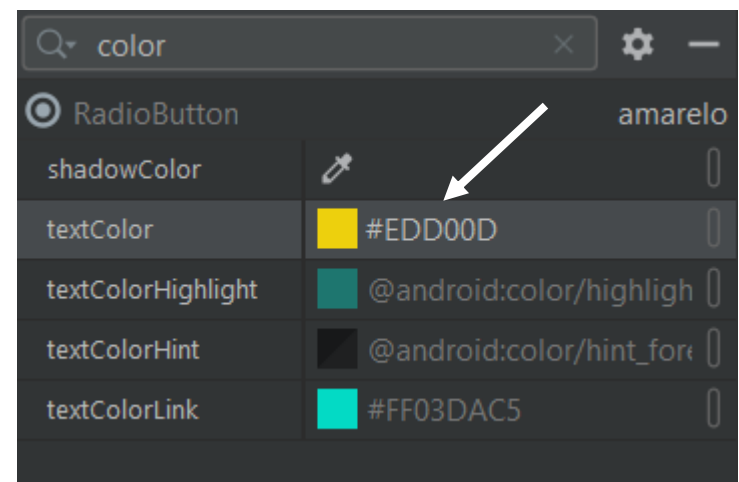


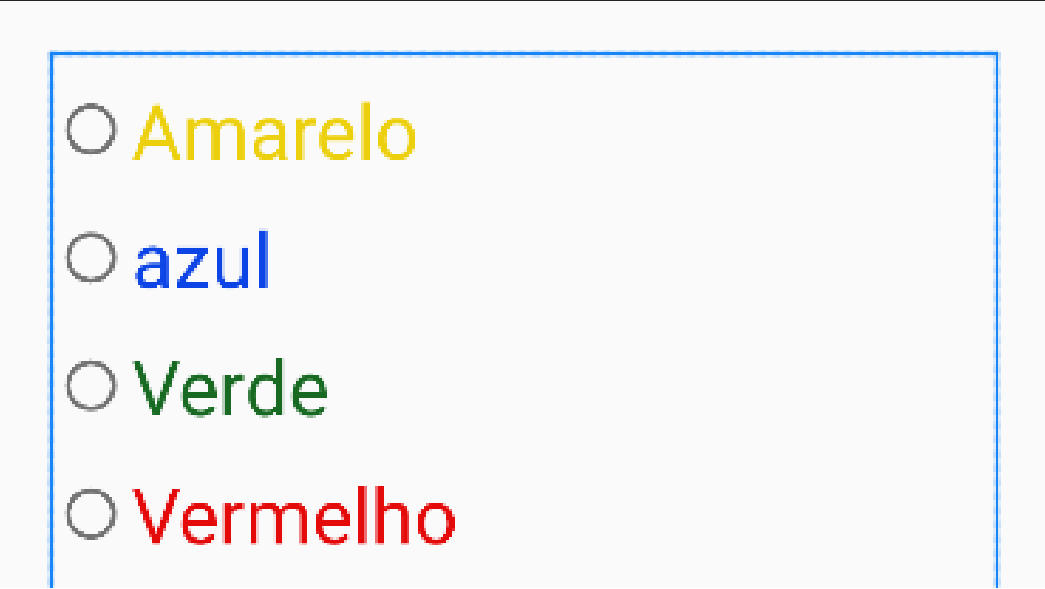
Marque os 4 botões de opção
ou faça individualmente;

Atributos – `layout_marginTop: 10dp`



Faça individualmente;
Atributos
text = Amarelo
id = amarelo
textColor =



- 
- A screenshot of a mobile application interface. At the top right, there is a small grey wrench icon. Below it, a white rectangular box with a blue border contains a list of four radio button options. Each option consists of a grey radio button followed by a color name in its respective color: 'Amarelo' (yellow), 'azul' (blue), 'Verde' (green), and 'Vermelho' (red).
- ☐ Amarelo
 - ☐ azul
 - ☐ Verde
 - ☐ Vermelho

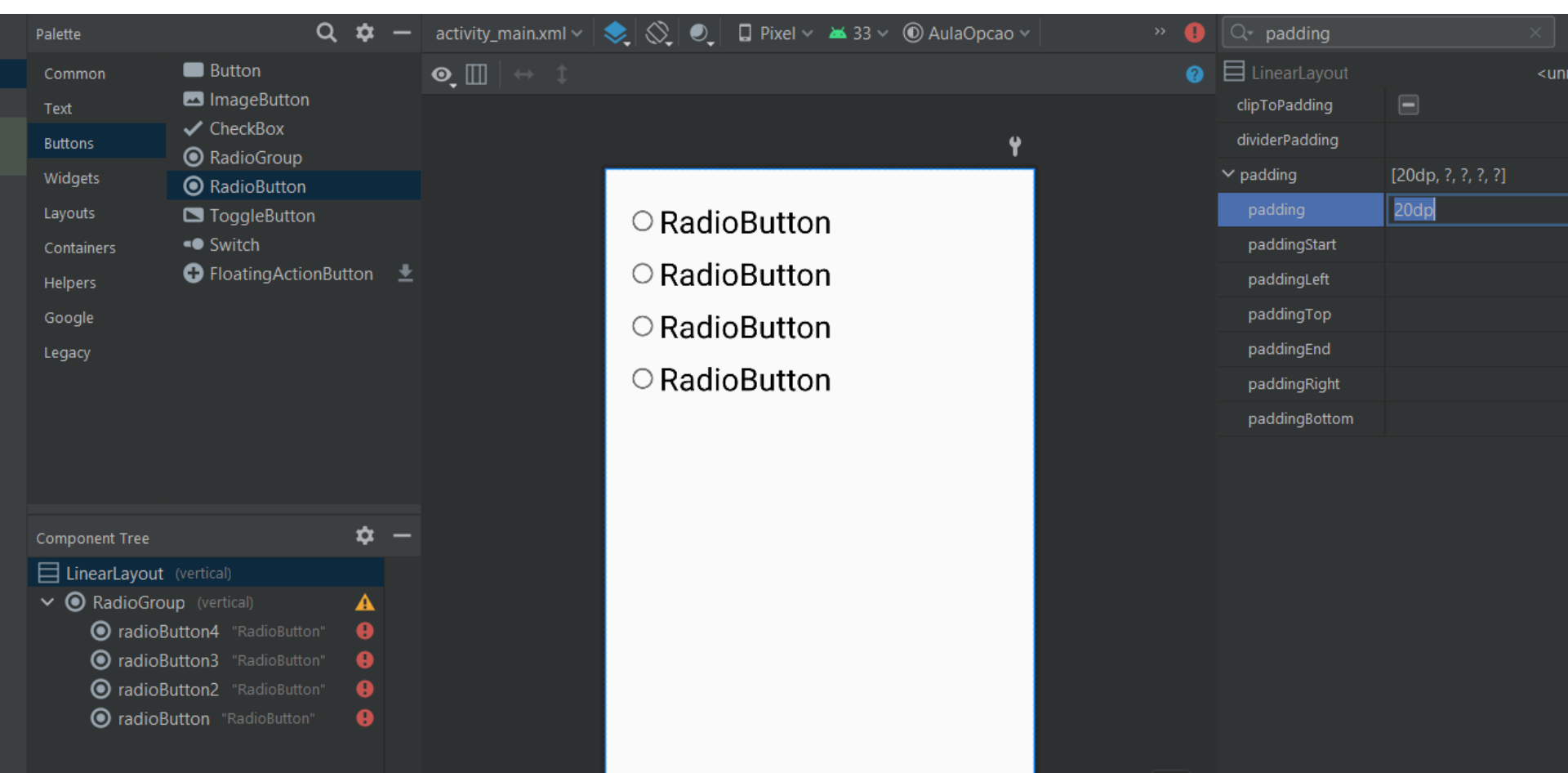
Faça o mesmo para os outros botões de opção;

Atributos

text = Amarelo

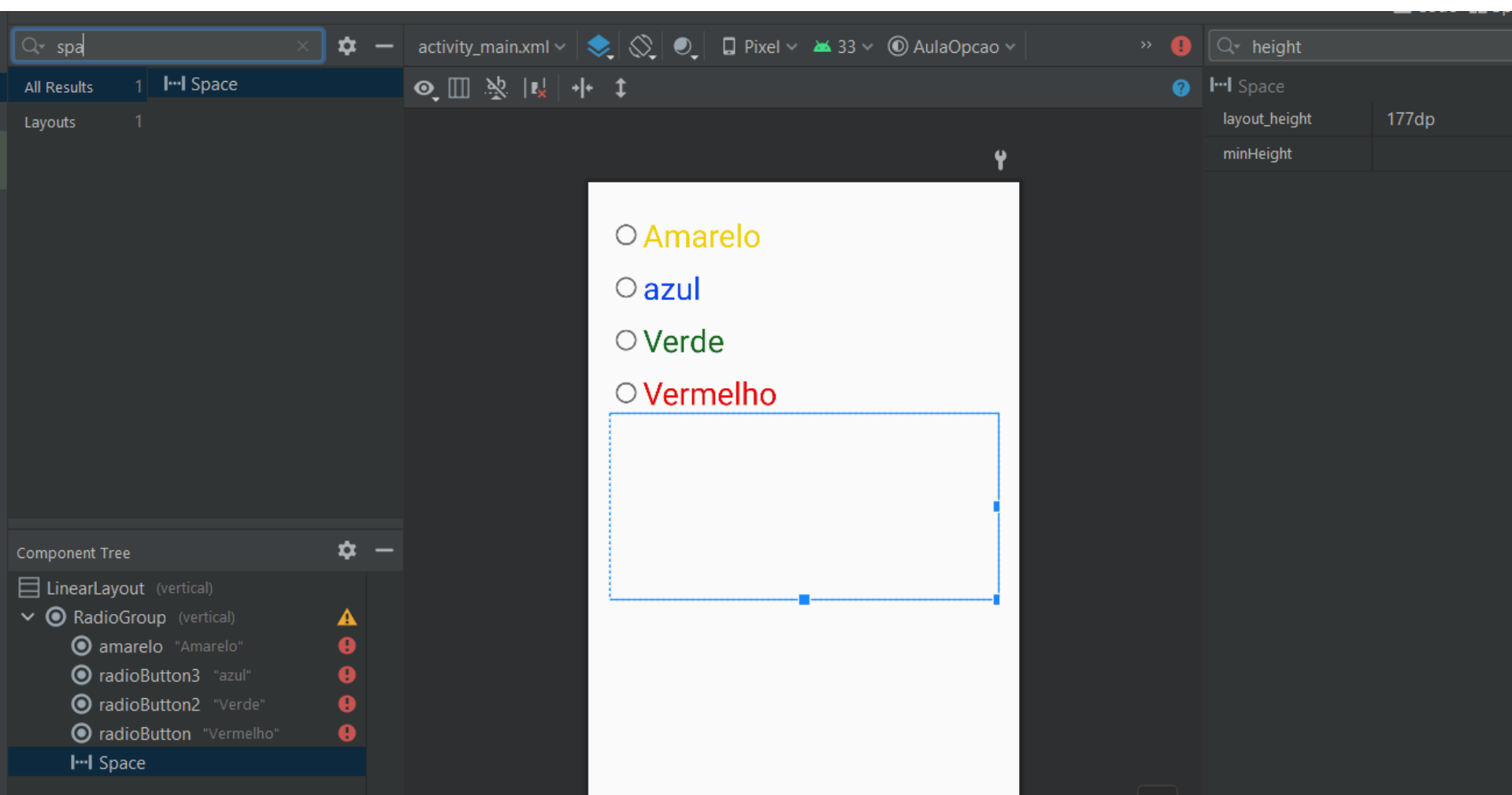
id = amarelo

textColor =



Linear Layout

Atributos – padding: 20dp



Space

Atributos – layout_height = 177dp



Common

Ab TextView

Text

Buttons

Widgets

Layouts

Containers

Helpers

Google

Legacy

Button

ImageView

RecyclerView

ScrollView

Switch

Component Tree

LinearLayout (vertical)

RadioGroup (vertical)

amarelo "Amarelo"

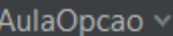
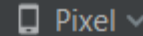
radioButton3 "azul"

radioButton2 "Verde"

radioButton "Vermelho"

Space

Ab textView "TextView"



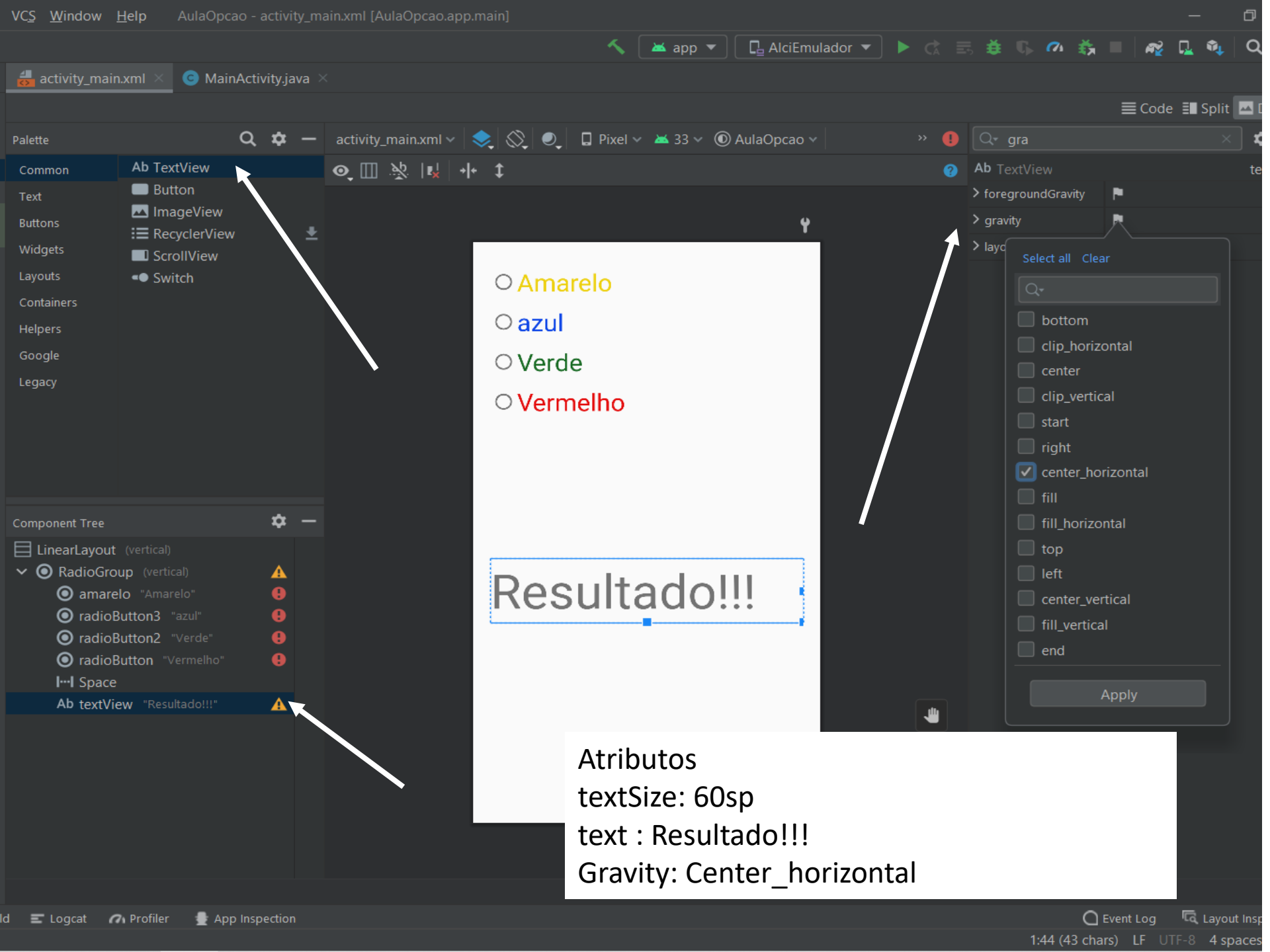
☐ Amarelo

☐ azul

☐ Verde

☐ Vermelho

TextView



- ☐ Amarelo
- ☐ azul
- ☐ Verde
- ☐ Vermelho

Resultado!!!

Atributos
textSize: 60sp
text : Resultado!!!
Gravity: Center_horizontal



2:25

AulaOpcao

- ☐ Amarelo
- ☐ azul
- ☒ Verde
- ☐ Vermelho

Resultado!!!


```
public class MainActivity extends AppCompatActivity {  
    RadioButton azul, amarelo, verme, verde;  
    TextView txtE;  
    RadioGroup grupo;
```

```
    @Override
```

```
    protected void onCreate(Bundle savedInstanceState) {  
        super.onCreate(savedInstanceState);  
        setContentView(R.layout.activity_main);  
    }  
}
```

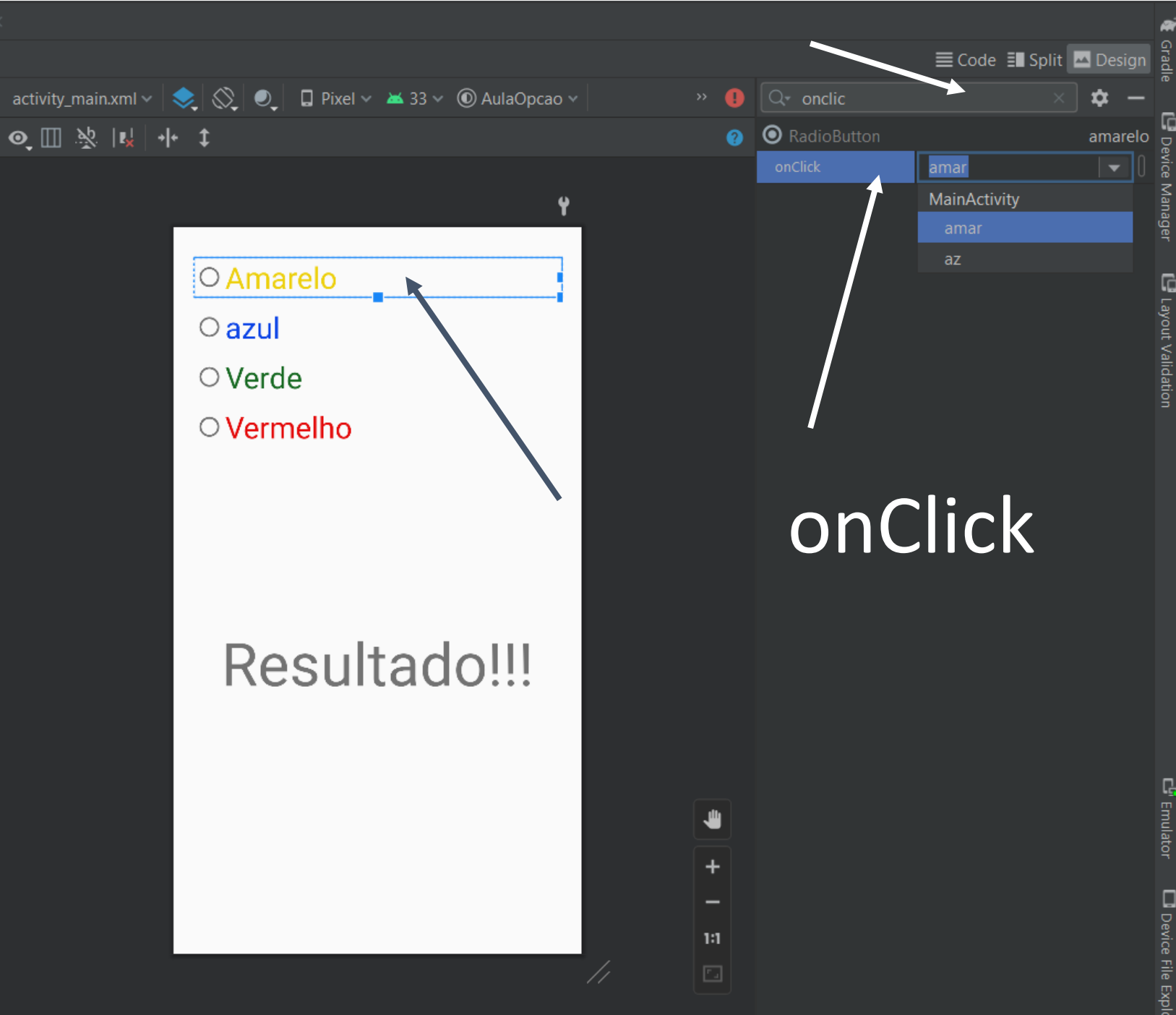
```
protected void onCreate(Bundle savedInstanceState) {  
    super.onCreate(savedInstanceState);  
    setContentView(R.layout.activity_main);
```

```
    azul = findViewById(R.id.azul);  
    amarelo = findViewById(R.id.amarelo);  
    verme = findViewById(R.id.vermelho);  
    verde = findViewById(R.id.verde);  
    txtE = findViewById(R.id.result);  
    grupo = findViewById(R.id.grupo1);
```

```
    }  
}
```

```
protected void onCreate(Bundle savedInstanceState) {  
    super.onCreate(savedInstanceState);  
    setContentView(R.layout.activity_main);  
  
    azul = findViewById(R.id.azul);  
    amarelo = findViewById(R.id.amarelo);  
    verme = findViewById(R.id.vermelho);  
    verde = findViewById(R.id.verde);  
    txtE = findViewById(R.id.result);  
    grupo = findViewById(R.id.grupo1);  
}
```

```
public void amar(View v){  
    //txtE.setBackgroundColor(Color.parseColor("#ffff00"));  
    txtE.setTextColor(Color.YELLOW);  
}  
  
public void az(View v){  
    //txtE.setBackgroundColor(Color.BLUE);  
    txtE.setTextColor(Color.parseColor("#0000ff"));  
}  
}
```



☐ Amarelo

☒ azul

☐ Verde

☐ Vermelho

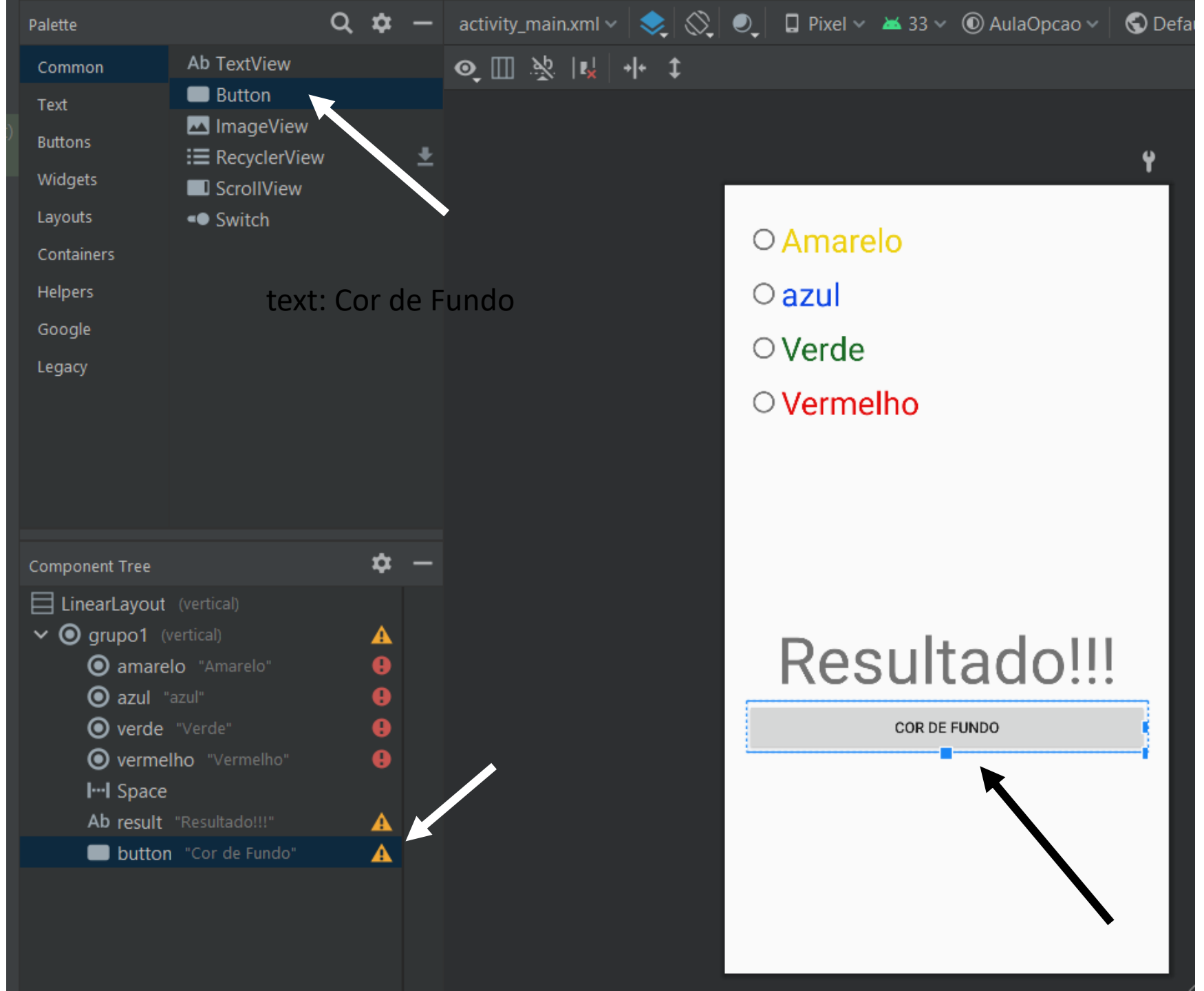
Resultado!!!

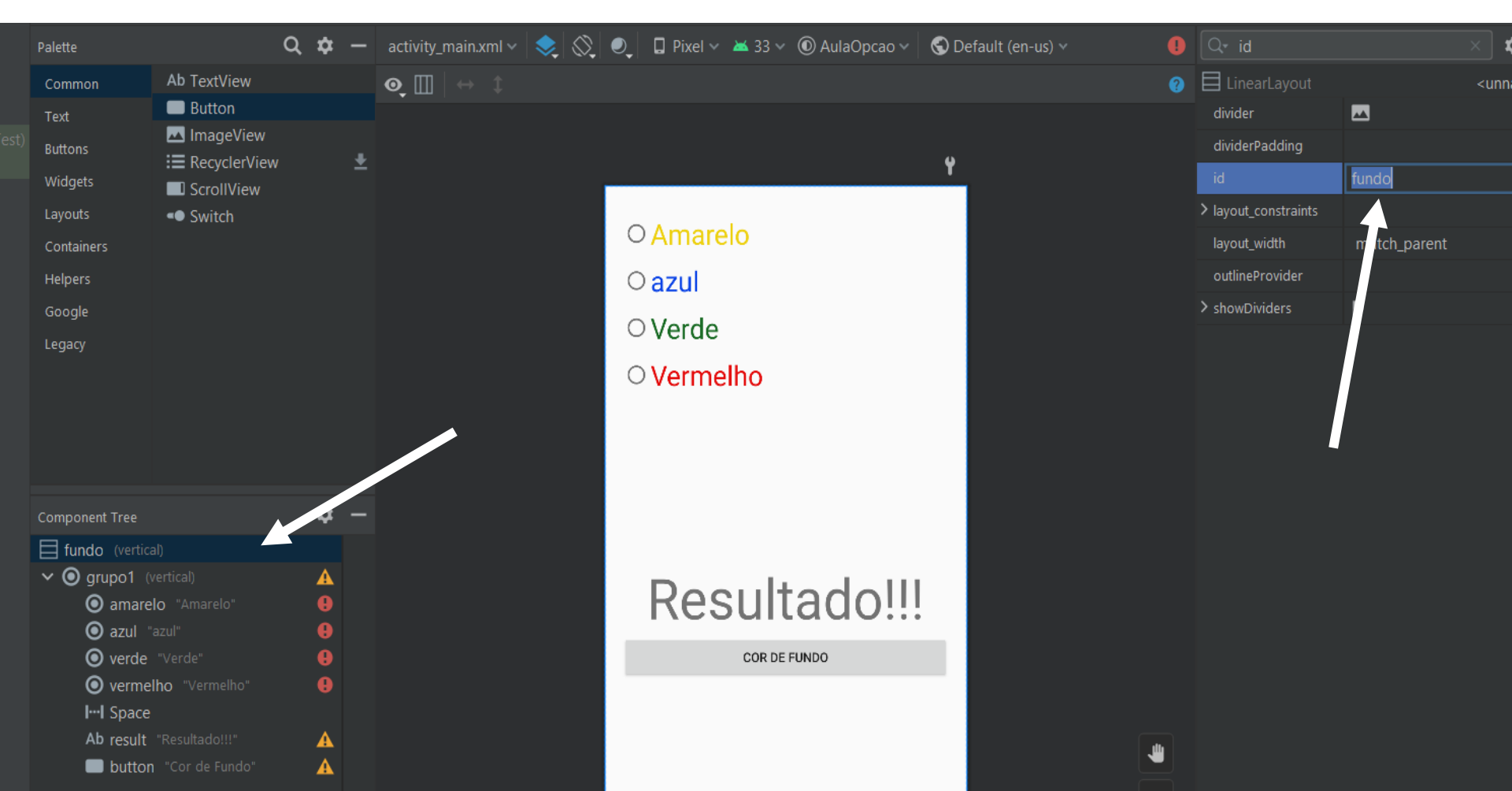
MainActivity

amar

az

onClick





LayoutVertical
Atributos: id= fundo


```
public class MainActivity extends AppCompatActivity {  
    RadioButton azul, amarelo, verme, verde;  
    TextView txtE;  
    RadioGroup grupo;  
    View fundo;
```

```
@Override
```

```
protected void onCreate(Bundle savedInstanceState) {  
    super.onCreate(savedInstanceState);  
    setContentView(R.layout.activity_main);
```

```
    azul = findViewById(R.id.azul);  
    amarelo = findViewById(R.id.amarelo);  
    verme = findViewById(R.id.vermelho);  
    verde = findViewById(R.id.verde);  
    txtE = findViewById(R.id.result);  
    grupo = findViewById(R.id.grupo1);  
    fundo = findViewById(R.id.fundo);
```



```
public void az(View v){  
    //txtE.setBackgroundColor(Color.BLUE);  
    txtE.setTextColor(Color.parseColor("#0000ff"));  
}  
public void CorFundo(View v){  
    if (azul.isChecked()){  
        fundo.setBackgroundResource(R.color.black);  
    }else if(amarelo.isChecked()){  
          
    }else if(verde.isChecked()){  
          
    }else{  
          
    }  
}
```

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

Q

Project

black

purple_200

purple_500

purple_700

teal_200

teal_700

white

Browse

Pick a Resource



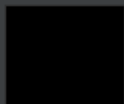
Module: AulaOpcao.a



Color

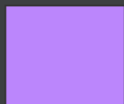
Preview

AulaOpcao.app.main (7)



black

#000000 | 1 version



purple_200

#bb86fc | 1 version



purple_500

#6200ee | 1 version



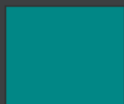
purple_700

#3700b3 | 1 version



teal_200

#03dac5 | 1 version



teal_700

#018786 | 1 version



white

#ffffff | 1 version

Build Run Tools VCS Window Help Aula

sample > aulaopcao > MainActivity



activity_main.xml



MainActivity.java

32

33

34

35

36

37



Pick a Resource



Module: AulaOpcao.a



Color Resource File

Color Value

AulaOpcao.app.main (7)

OK

Cancel



New Color Value



Resource name:

Resource value:

Source set:

File name:

Create the resource in directories:



☒ values

☐ values-night

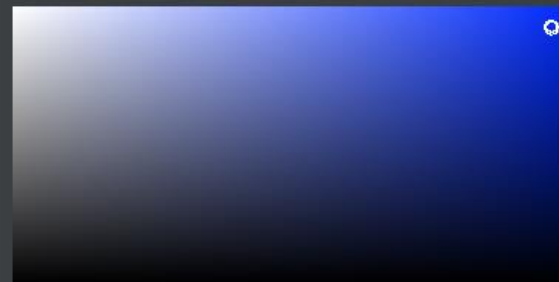
OK

Cancel

Qualquer nome



Pick a Color



A%

R

G

B

Hex

100

6

45

236

FF062DEC

Material 500



OK

Cancel



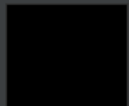
Module: AulaOpcao.a ▾



Color

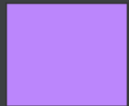
Preview

AulaOpcao.app.main (7) ^



black

#000000 | 1 version



purple_200

#bb86fc | 1 version



purple_500

#6200ee | 1 version



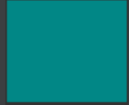
purple_700

#3700b3 | 1 version



teal_200

#03dac5 | 1 version



teal_700

#018786 | 1 version



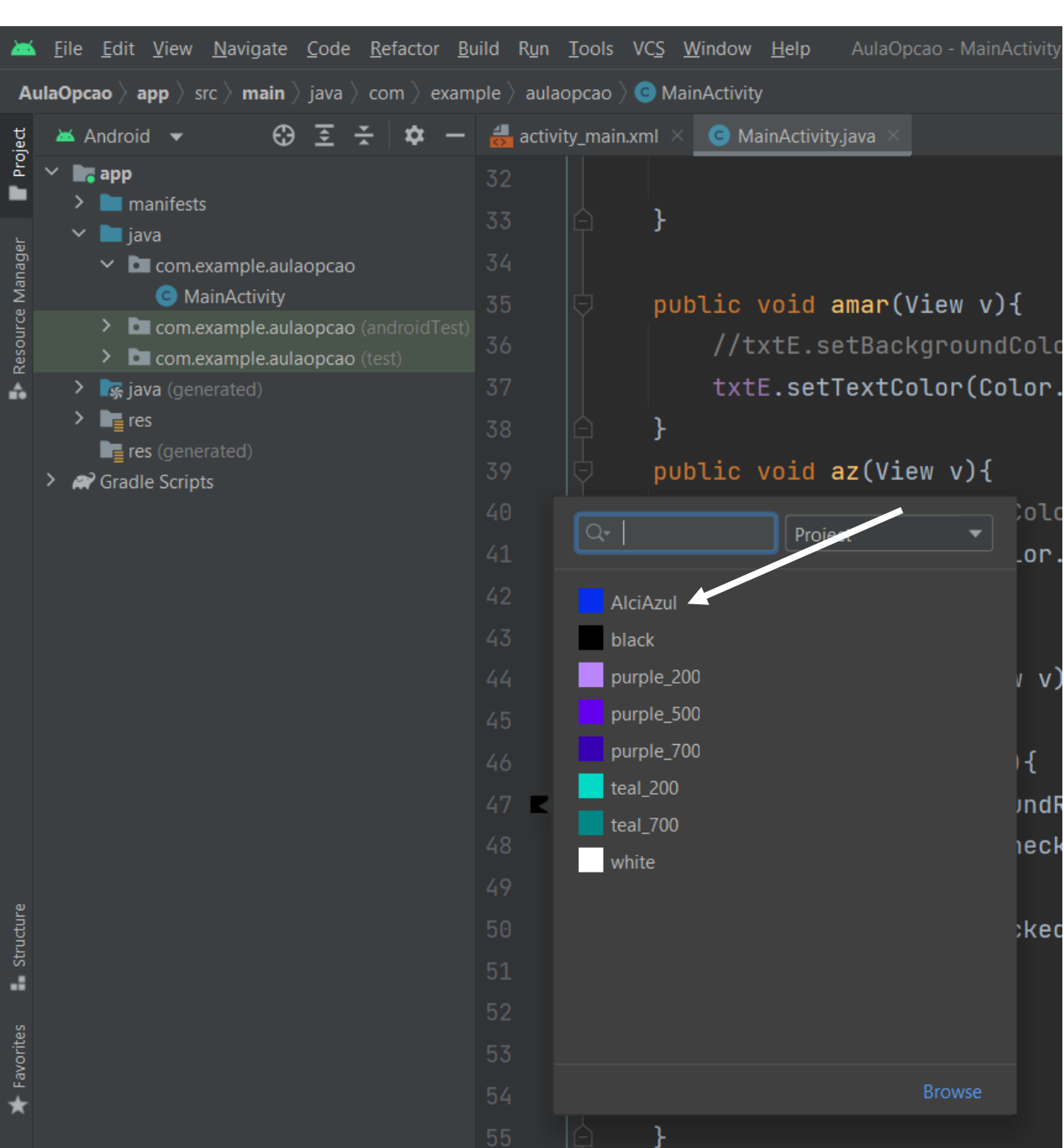
white

#ffffff | 1 version

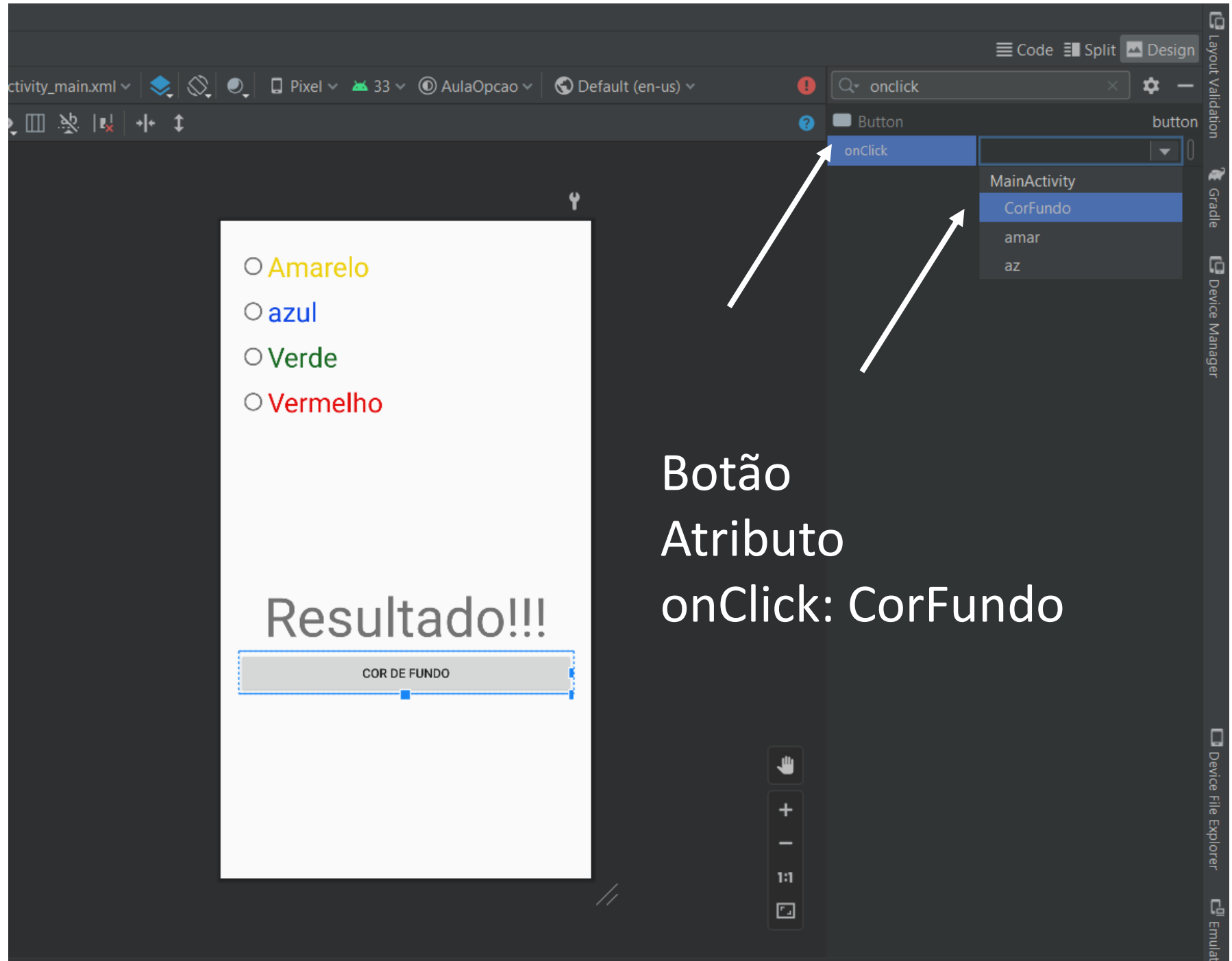


OK

Cancel



```
public void CorFundo(View v){  
  
    if (azul.isChecked()){  
        fundo.setBackgroundResource(R.color.AlciAzul);  
    }else if(amarelo.isChecked()){  
        fundo.setBackgroundResource(R.color.AlciAmarelo);  
    }else if(verde.isChecked()){  
        fundo.setBackgroundResource(R.color.AlciVerde);  
    }else{  
        fundo.setBackgroundResource(R.color.AlciVerm);  
    }  
}  
}
```





4G 1:04

AulaOpcao

- ☐ Amarelo
- ☐ azul
- ☐ Verde
- ☐ Vermelho

Resultado!!!

COR DE FUNDO

Par ou Ímpar

Digite um número inteiro

Digite um número inteiro

OK

Entrada:

2 números inteiros

Saída:

A somados números

Em texto rápido (Toast).

-Se a soma for “par” a Activity deve ficar com a cor de fundo “Laranja”;

-Se for “ímpar” a Activity deve ficar com a cor de fundo “vermelho”;

