

```
1 <?xml version="1.0" encoding="UTF-8"?>
2 <form xmlns="http://www.intellij.com/uidesigner/form/" version="1" bind-to-class="ColorChangerGUI">
3   <grid id="27dc6" binding="PanelMain" layout-manager="GridLayoutManager" row-count="4" column-count="4" same-
   size-horizontally="false" same-size-vertically="false" hgap="-1" vgap="-1">
4     <margin top="20" left="20" bottom="20" right="20"/>
5     <constraints>
6       <xy x="20" y="20" width="500" height="400"/>
7     </constraints>
8     <properties/>
9     <border type="none"/>
10    <children>
11      <component id="12deb" class="javax.swing.JLabel">
12        <constraints>
13          <grid row="1" column="0" row-span="1" col-span="3" vsize-policy="0" hsize-policy="0" anchor="8" fill
            ="0" indent="0" use-parent-layout="false"/>
14        </constraints>
15        <properties>
16          <text value="Red"/>
17        </properties>
18      </component>
19      <component id="10b35" class="javax.swing.JLabel">
20        <constraints>
21          <grid row="2" column="0" row-span="1" col-span="2" vsize-policy="0" hsize-policy="0" anchor="8" fill
            ="0" indent="0" use-parent-layout="false"/>
22        </constraints>
23        <properties>
24          <text value="Green"/>
25        </properties>
26      </component>
27      <component id="8ba4a" class="javax.swing.JLabel">
28        <constraints>
29          <grid row="3" column="0" row-span="1" col-span="1" vsize-policy="0" hsize-policy="0" anchor="8" fill
            ="0" indent="0" use-parent-layout="false"/>
30        </constraints>
31        <properties>
32          <text value="Blue"/>
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33     </properties>
34 </component>
35 <component id="cf107" class="javax.swing.JSlider" binding="SliderRed">
36     <constraints>
37         <grid row="1" column="3" row-span="1" col-span="1" vsize-policy="0" hsize-policy="6" anchor="8" fill
="1" indent="0" use-parent-layout="false"/>
38     </constraints>
39     <properties>
40         <maximum value="255"/>
41     </properties>
42 </component>
43 <component id="fd131" class="javax.swing.JSlider" binding="SliderGreen">
44     <constraints>
45         <grid row="2" column="3" row-span="1" col-span="1" vsize-policy="0" hsize-policy="6" anchor="8" fill
="1" indent="0" use-parent-layout="false"/>
46     </constraints>
47     <properties>
48         <maximum value="255"/>
49     </properties>
50 </component>
51 <component id="4c86a" class="javax.swing.JSlider" binding="SliderBlue">
52     <constraints>
53         <grid row="3" column="3" row-span="1" col-span="1" vsize-policy="0" hsize-policy="6" anchor="8" fill
="1" indent="0" use-parent-layout="false"/>
54     </constraints>
55     <properties>
56         <maximum value="255"/>
57     </properties>
58 </component>
59 <grid id="eb82c" binding="PanelColorChanged" layout-manager="GridLayoutManager" row-count="1" column-
count="1" same-size-horizontally="false" same-size-vertically="false" hgap="-1" vgap="-1">
60     <margin top="0" left="0" bottom="0" right="0"/>
61     <constraints>
62         <grid row="0" column="0" row-span="1" col-span="4" vsize-policy="3" hsize-policy="3" anchor="0" fill
="3" indent="0" use-parent-layout="false"/>
63     </constraints>

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64     <properties/>
65     <border type="line">
66         <title-color color="-4473925"/>
67         <color color="-16777216"/>
68     </border>
69     <children/>
70 </grid>
71 </children>
72 </grid>
73 </form>
74
```

```
1
2 import javax.swing.*;
3 import java.awt.*;
4
5 public class ColorChangerGUI extends JFrame{
6     private JSlider SliderRed;
7     private JSlider SliderGreen;
8     private JSlider SliderBlue;
9     private JPanel PanelMain;
10    private JPanel PanelColorChanged;
11
12    public ColorChangerGUI(){
13        this.add(PanelMain);
14        this.setSize(500,500);
15        this.setTitle("Color Changer Homework");
16        this.setDefaultCloseOperation(EXIT_ON_CLOSE);
17
18        SliderRed.addChangeListener(e->{
19            ChangePanelColorChange();
20        });
21        SliderGreen.addChangeListener(e->{
22            ChangePanelColorChange();
23        });
24        SliderBlue.addChangeListener(e->{
25            ChangePanelColorChange();
26        });
27
28    }
29
30
31    public void ChangePanelColorChange(){
32        int redValue = SliderRed.getValue();
33        int greenValue = SliderGreen.getValue();
34        int blueValue = SliderBlue.getValue();
35
36    }
```

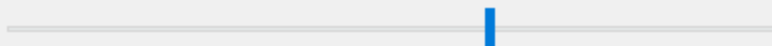
```
37     PanelColorChanged.setBackground(new Color(redValue,greenValue,blueValue));
38 }
39
40 public static void main(String[] args){
41
42     try {
43         UIManager.setLookAndFeel(UIManager.getSystemLookAndFeelClassName());
44     } catch (ClassNotFoundException e) {
45         e.printStackTrace();
46     } catch (InstantiationException e) {
47         e.printStackTrace();
48     } catch (IllegalAccessException e) {
49         e.printStackTrace();
50     } catch (UnsupportedLookAndFeelException e) {
51         e.printStackTrace();
52     }
53
54     //Set UI Thread to another thread
55     SwingUtilities.invokeLater(() -> {
56         ColorChangerGUI gui = new ColorChangerGUI();
57         gui.setVisible(true);
58     });
59 }
60
61
62 }
63
```



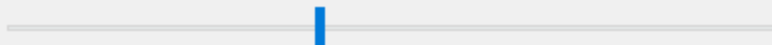
Color Changer Homework



Red



Green



Blue

