



LinearLayout



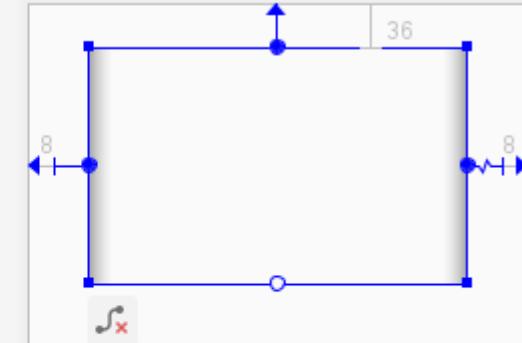
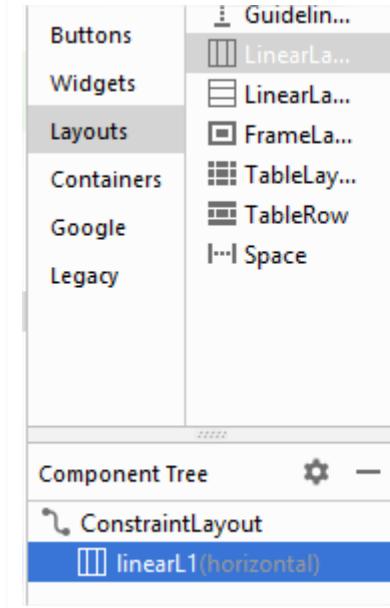
LinearLayout

Vous avez pu constater qu'aligner des objets XML n'est pas une chose des plus simples.

Le LinearLayout permet d'afficher les vues sur une ligne horizontale ou verticale.

La propriété android:orientation permet de définir le sens du layout (horizontal ou vertical).

```
<LinearLayout  
    android:id="@+id/linearL1"  
    android:layout_width="311dp"  
    android:layout_height="194dp"  
    android:layout_marginStart="8dp"  
    android:layout_marginLeft="8dp"  
    android:layout_marginTop="36dp"  
    android:layout_marginEnd="8dp"  
    android:layout_marginRight="8dp"  
    android:orientation="horizontal"  
    app:layout_constraintEnd_toEndOf="parent"  
    app:layout_constraintStart_toStartOf="parent"  
    app:layout_constraintTop_toTopOf="parent">  
  
    </LinearLayout>
```



```

<LinearLayout
    android:id="@+id/linearL1"
    android:layout_width="311dp"
    android:layout_height="194dp"
    android:layout_marginStart="8dp"
    android:layout_marginLeft="8dp"
    android:layout_marginTop="36dp"
    android:layout_marginEnd="8dp"
    android:layout_marginRight="8dp"
    android:orientation="horizontal"
    app:layout_constraintEnd_toEndOf="parent"
    app:layout_constraintStart_toStartOf="parent"
    app:layout_constraintTop_toTopOf="parent">

    <Button
        android:id="@+id/button"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:layout_weight="1"
        android:text="Button" />
</LinearLayout>

```

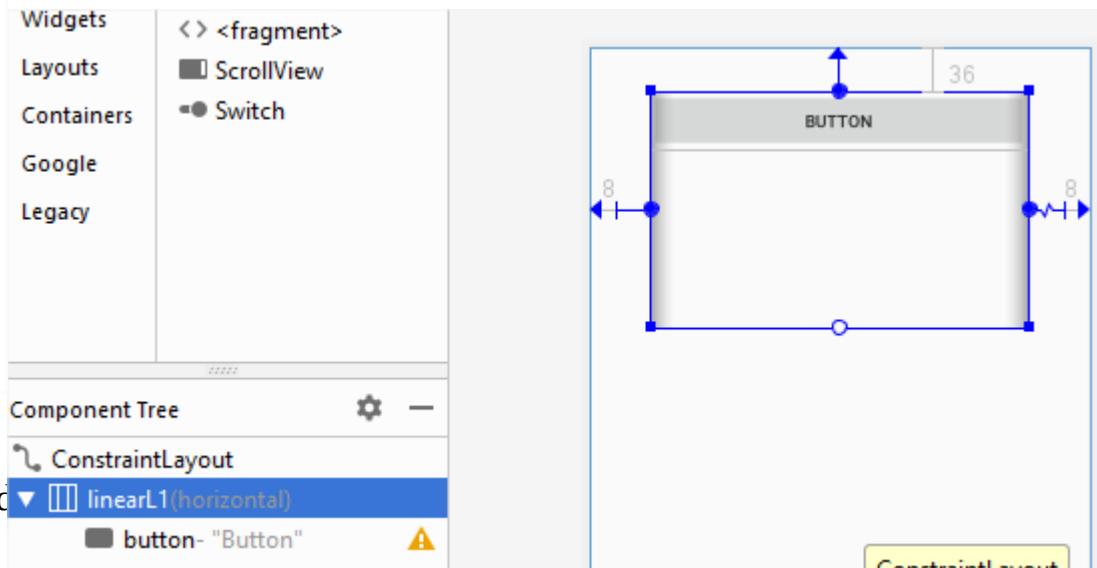
Wrap_content "enveloppe le contenu", c'est à dire qu'il permet d'adapter le composant à ça propre taille. Le composant prend la taille de ce qu'il contient.

A l'inverse, match_parent lui regarde la taille du composant mère (parent) et prend la même taille. C'est à dire qu'un bouton dans un layout en match parent prendra toute la place dans le layout.

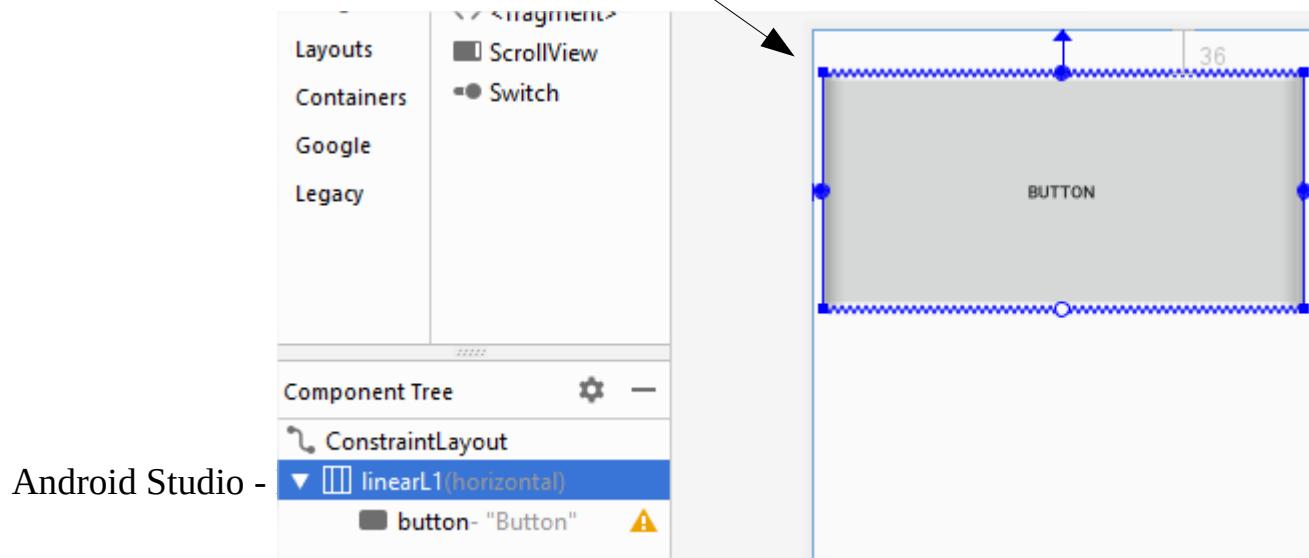
Pour synthétiser :

-un wrap_content : occupe la place MINIMALE

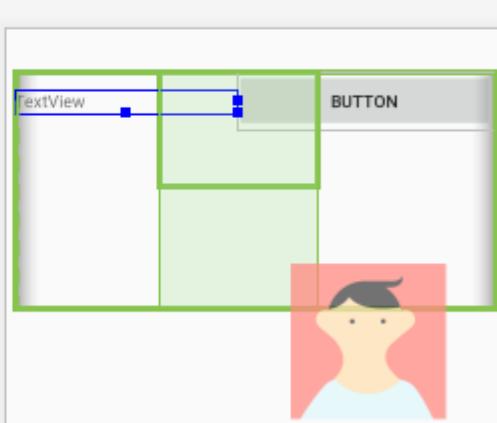
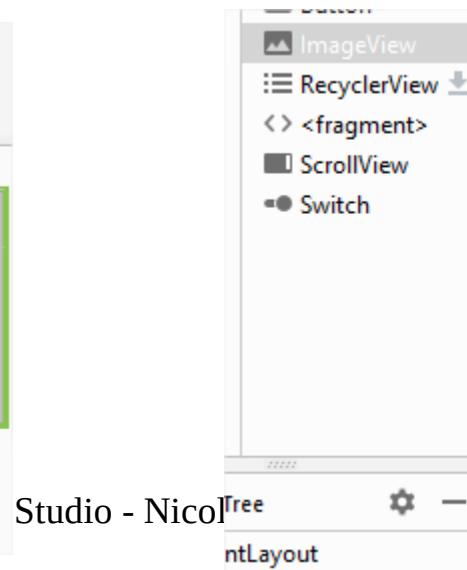
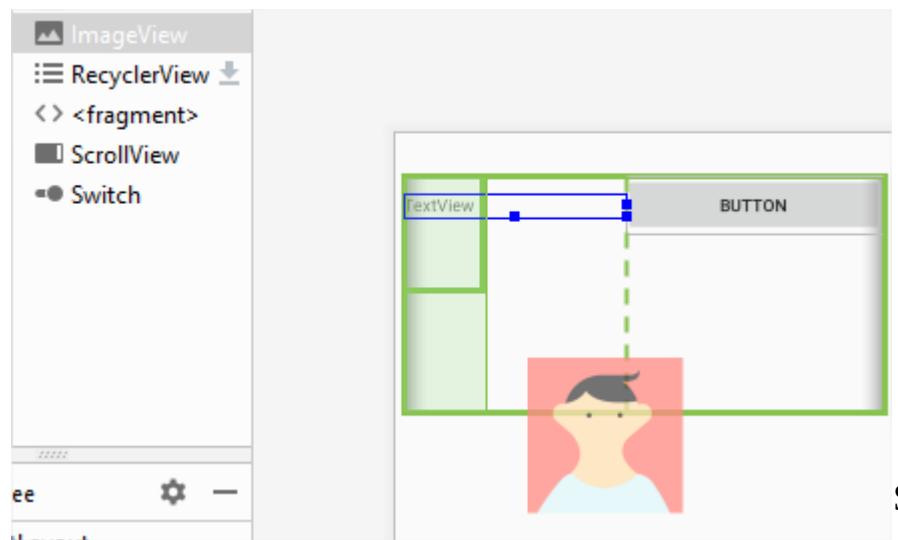
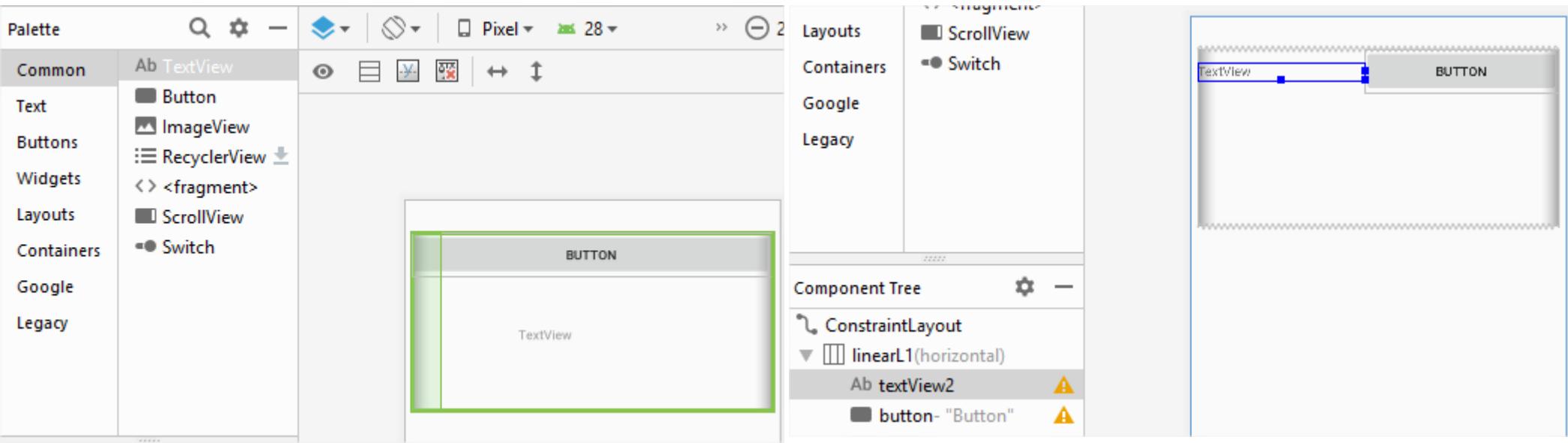
-un match_parent : occupe la place MAXIMALE



```
<Button  
    android:id="@+id/button"  
    android:layout_width="match_parent"  
    android:layout_height="match_parent" <--  
    android:layout_weight="1"  
    android:text="Button" />  
</LinearLayout>
```



Android Studio -



Studio - Nicol

ntLayout

```
<LinearLayout  
    android:id="@+id/linearL1"  
    android:layout_width="0dp"  
    android:layout_height="194dp"  
    android:layout_marginStart="8dp"  
    android:layout_marginLeft="8dp"  
    android:layout_marginTop="36dp"  
    android:layout_marginEnd="8dp"  
    android:layout_marginRight="8dp"  
    android:orientation="horizontal"  
    app:layout_constraintEnd_toEndOf="parent"  
    app:layout_constraintStart_toStartOf="parent"  
    app:layout_constraintTop_toTopOf="parent">  
  
<TextView  
    android:id="@+id/textView2"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_weight="1"  
    android:text="TextView" />  
  
<EditText  
    android:id="@+id/editText"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_weight="1"  
    android:ems="10"  
    android:inputType="textPassword" />  
  
<Button  
    android:id="@+id/button"  
    android:layout_width="wrap_content"  
    android:layout_height="wrap_content"  
    android:layout_weight="1"  
    android:text="Button" />  
/</LinearLayout>
```

