롤오버 버튼

버튼 클릭했을 때 버튼 이미지 변환

프로젝트 생성

Application name: RollOverButton

Company Domain: admid.example.com

Project location: C:\ Android\ StdWork\ RollOverButton

Target Android Devices
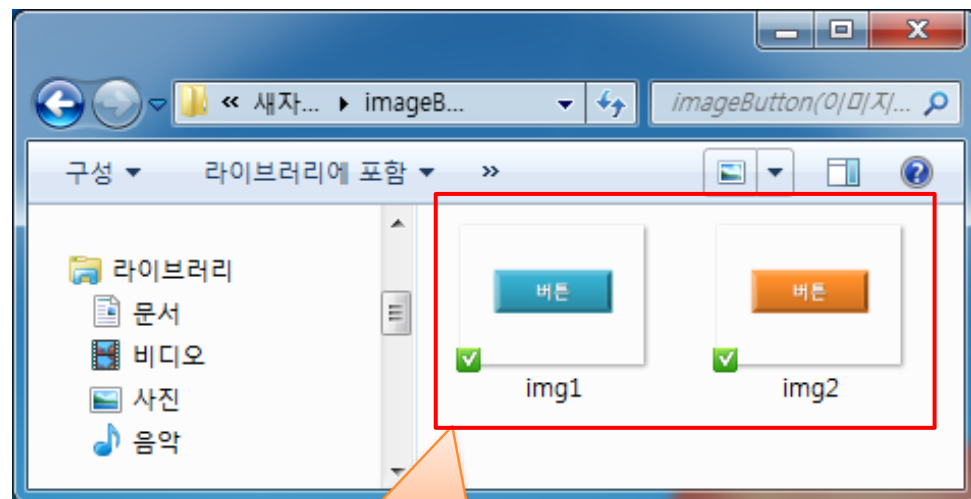
- Phone and Tablet

- Minimun SDK API 17 : Android 4.0.3
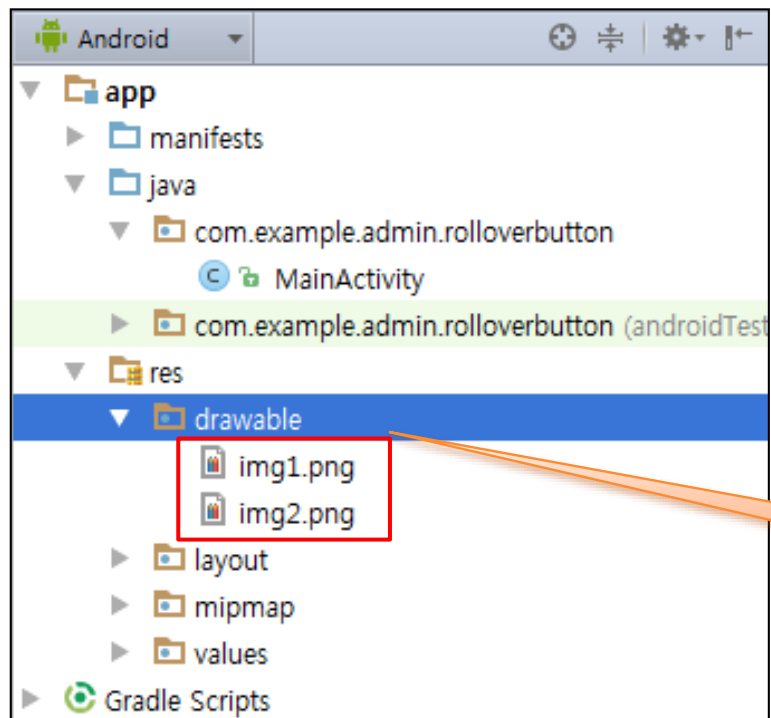
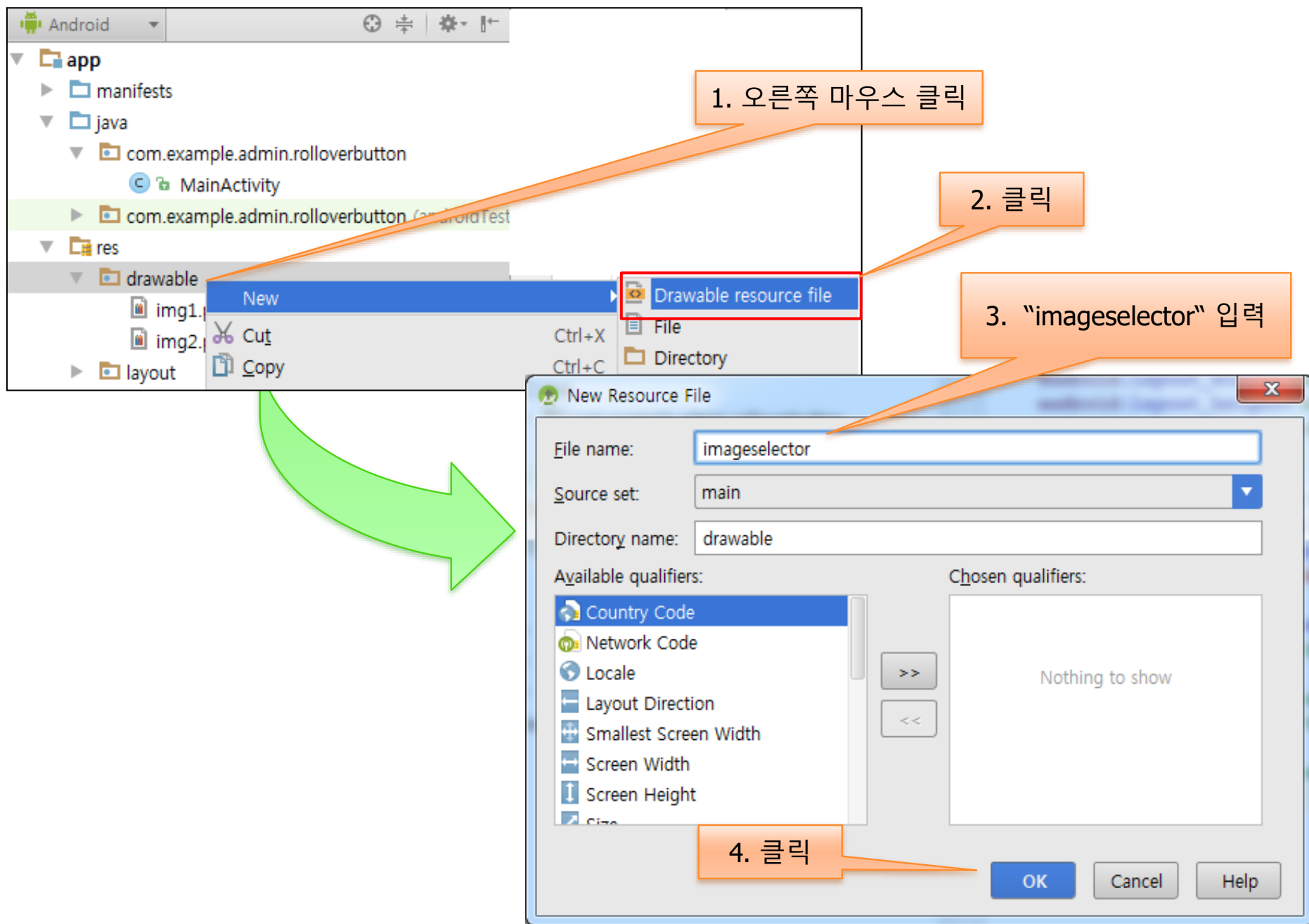Add an activity to Mobile : Empty Activity

Customize the Activity

Activity Name: MainActivity
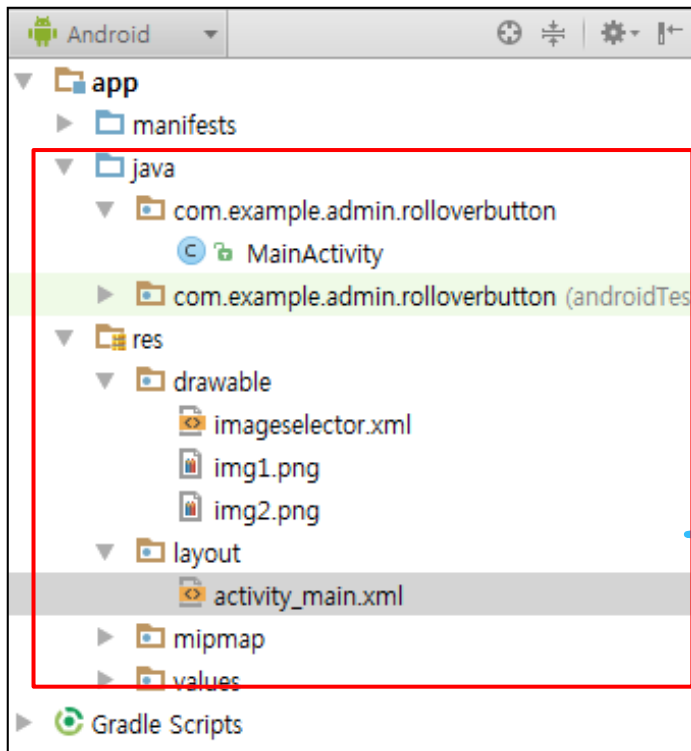
Layout Name: activity_main

이미지 복사
[CTRL + C] → [CTRL + V]

Android ▼

- ▼ **app**
  - ▶ manifests
  - ▼ java
    - ▼ com.example.admin.rolloverbutton
      - ⓒ 🔒 MainActivity
    - ▶ com.example.admin.rolloverbutton (androidTest
  - ▼ res
    - ▼ drawable
      - img1.
      - img2.
      - New   ▶
      - ✂ Cut   Ctrl+X
      - 📋 Copy   Ctrl+C
    - ▶ layout

1. 오른쪽 마우스 클릭

2. 클릭

- Drawable resource file
- File
- Directory

3. "imageselector" 입력

New Resource File   ✕

File name: imageselector

Source set: main   ▼

Directory name: drawable

Available qualifiers: Chosen qualifiers:

- 🌐 Country Code
- 🌐 Network Code
- 🌐 Locale
- ⊢ Layout Direction
- ⊞ Smallest Screen Width
- ⊢ Screen Width
- Ⅰ Screen Height
- Size

            Nothing to show

  >>

  <<

4. 클릭

OK   Cancel   Help

imageselector.xml ✕

```xml
<?xml version="1.0" encoding="utf-8"?>
<selector xmlns:android="http://schemas.android.com/apk/res/android">

    <item android:drawable="@drawable/img1" android:state_pressed="true" />

    <item android:drawable="@drawable/img2" />
</selector>
```

5. 코딩

Android ▼   ⊕ ≑ | ✿▾ |←

▼ 🗀 app
  ▶ 🗀 manifests
  ▼ 🗀 java
    ▼ 🗀 com.example.admin.rolloverbutton
        © MainActivity
    ▶ 🗀 com.example.admin.rolloverbutton (androidTes
  ▼ 🗀 res
    ▼ 🗀 drawable
        imageselector.xml
        img1.png
        img2.png
    ▼ 🗀 layout
        activity_main.xml
    ▶ 🗀 mipmap
    ▶ 🗀 values
▶ ⚙ Gradle Scripts

State_pressed : 현재 클릭이 된 경우 보여줘라(TRUE)/
현재 클릭이 되지 않았을 경우 보여줘라(FALSE)

[참고]파일 및 디렉
토리 구성

activity_main.xml ✕

```xml
<?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">

    <ImageButton
        android:id="@+id/ok"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:src="@drawable/imageselector" />
</LinearLayout>
```
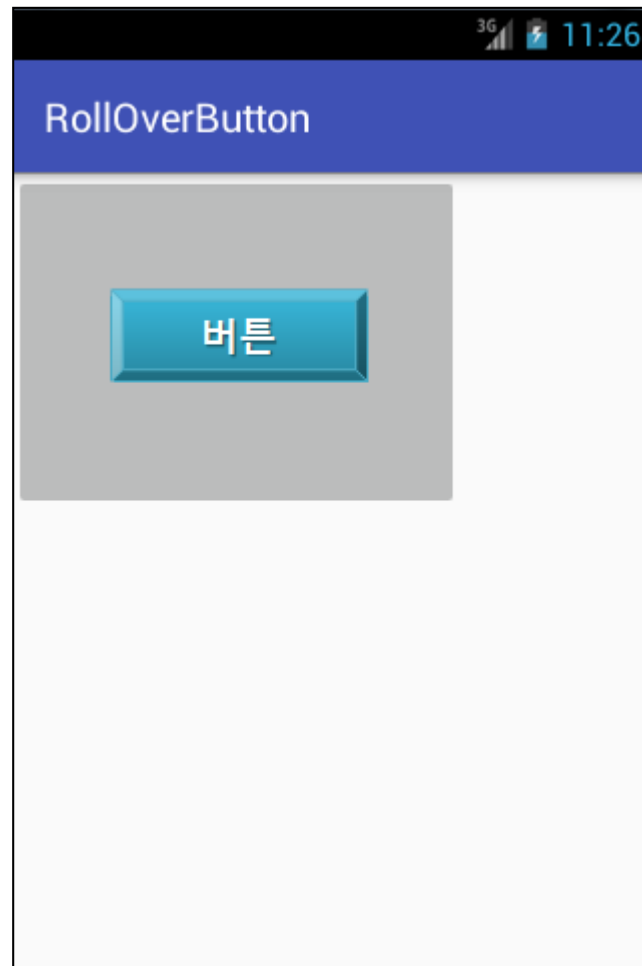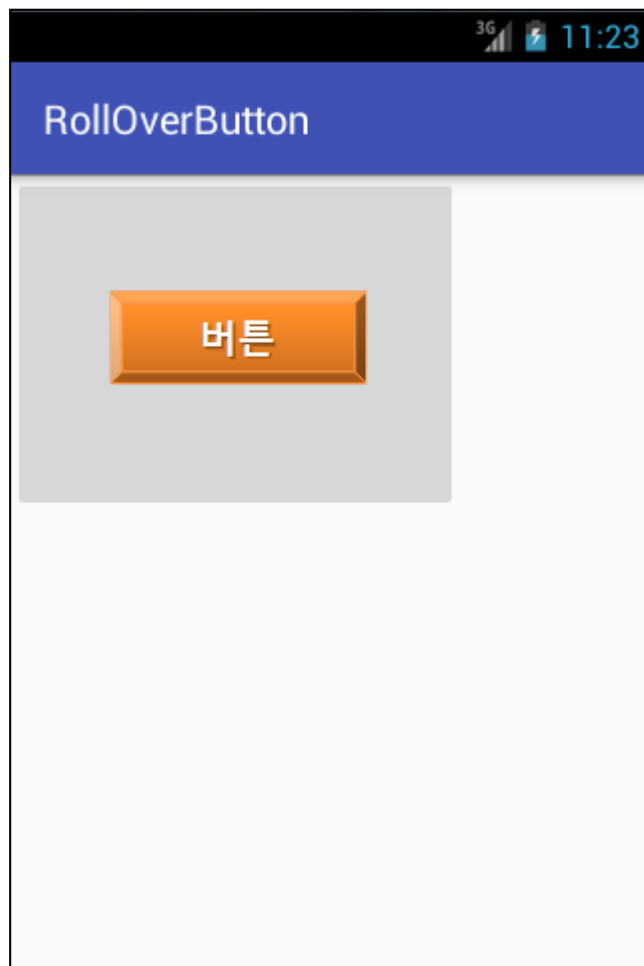
6. 코딩

RollOverButton

버튼

7. 코딩

```java
1    package com.example.admin.rolloverbutton;
2
3    import ...
8
9    public class MainActivity extends AppCompatActivity {
10
11        @Override
12        protected void onCreate(Bundle savedInstanceState) {
13            super.onCreate(savedInstanceState);
14            setContentView(R.layout.activity_main);
15            findViewById(R.id.ok).setOnClickListener(imageClick);
16        }
17
18        Button.OnClickListener imageClick = new View.OnClickListener() {
19            @Override
20            public void onClick(View v) {
21                switch (v.getId()){
22                    case R.id.ok :
23                        Toast.makeText(getApplication(), "Click!",
24                                Toast.LENGTH_SHORT).show();
25                }
26            }
27        };
28    }
```
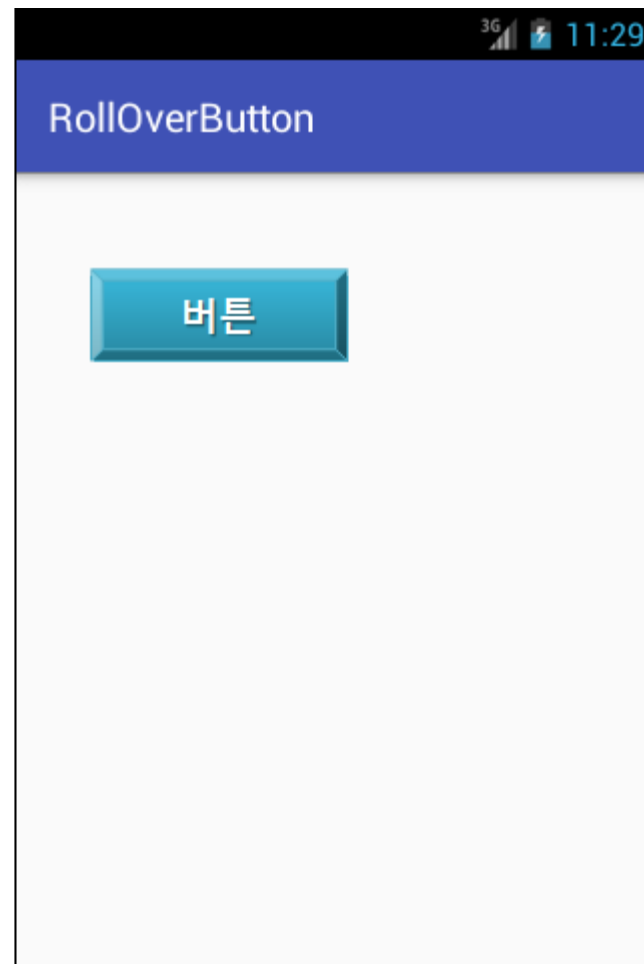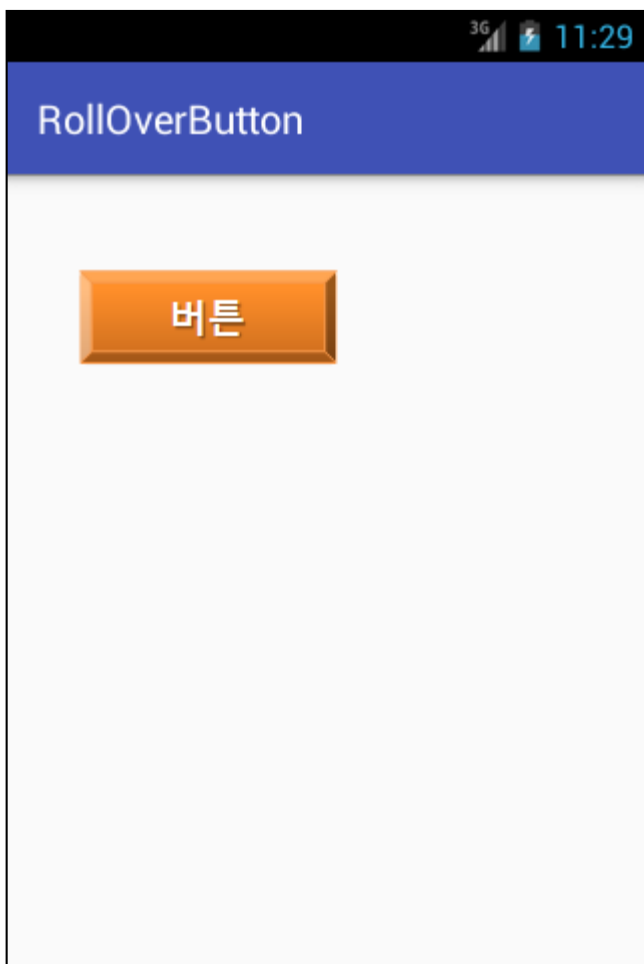
activity_main.xml ✕

```xml
<?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">

    <ImageButton
        android:id="@+id/ok"
        android:layout_width="wrap_content"
        android:layout_height="wrap_content"
        android:background="@null"
        android:src="@drawable/imageselector" />
</LinearLayout>
```

8. 추가

배경을 투명하게

RollOverButton

버튼

```xml
<ImageButton
    android:id="@+id/ok"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:src="@drawable/imageselector"
    android:background="@android:color/transparent"
    />
```

배경 지우기

```xml
<ImageButton
    android:id="@+id/ok"
    android:layout_width="wrap_content"
    android:layout_height="wrap_content"
    android:src="@drawable/imageselector"
    android:alpha="0.5"
    android:background="@android:color/transparent"
    />
```

A alpha : 1.0 → 0.1
(불투명 → 투명)