

```

protected void onCreate(Bundle savedInstanceState) {
    super.onCreate(savedInstanceState);
    setContentView(R.layout.activity_main);
    Button color = (Button) findViewById(R.id.color);
    color.setOnClickListener(new View.OnClickListener()
    {
        @Override
        public void onClick(View v)
        {
            AlertDialog.Builder builder;
            builder = new AlertDialog.Builder(Lifecycle.this);
            builder.setTitle("Change?")
                .setMessage("Are you sure you want to change the color?")
                .setPositiveButton("YES", new DialogInterface.OnClickListener()
                {

                    public void onClick(DialogInterface dialog, int which)
                    {

                        RelativeLayout rl = (RelativeLayout)findViewById(R.id.layout);

                        Random gen = new Random();

                        rl.setBackgroundColor(Color.rgb( gen.nextInt(256), gen.nextInt(256),  gen.nextInt(256) ));
                    }
                })
        }
    });

    .setNegativeButton("NO", new DialogInterface.OnClickListener()
    {

        public void onClick(DialogInterface dialog, int which)
        {

            // do nothing
        }

    })

    .setIcon(android.R.drawable.ic_dialog_alert)

    .show();

}

});

}

```