

# Converting Colors

Android(4278220513)

Have a look what the booklet for  
Android(4278220513) contains.

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# Color

**Android(4278220513)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0076E1
RGB	0, 118, 225
RGB Percent	0%, 46%, 88%
CMY	1.0000, 0.5373, 0.1176
CMYK	1.00, 0.48, 0.00, 0.12
HSL	209°, 100%, 44%
HSV	209°, 100%, 88%
XYZ	20.0690, 18.3931, 73.7266
YIQ	94.9160, -104.6750, 8.2610

# Conversions

## Conversions Part 2

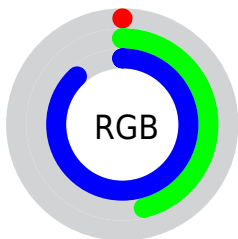
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 77, 225
Decimal	30433
CIELab	49.97, 13.39, -61.88
CIELCh	50, 63.315, 282.205
Yxy	18.3931, 0.1789, 0.1639
Android (android.graphics.Color)	4278220513 (0xFF0076E1)
YUV	94.9160, 64.1314, -83.2413
Hunter-Lab	42.8872, 8.4764, -71.9034

# Details

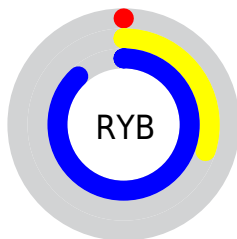
The Android color `4278220513` is a dark color, and the websafe version is hex `0066CC`. The color can be described as dark washed azure. A complement of this color would be `4292963072`, and the grayscale version is `4284374622`.

A 20% lighter version of the original color is `4285049343`, and `4278208425` is the 20% darker color. If you saturate the color by 10%, you get `4278220513`, and if you desaturate by 10%, it is `4279665121`.

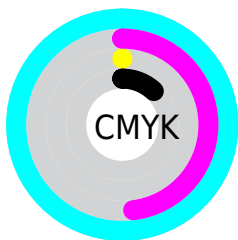
# Distribution



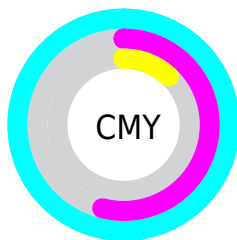
- Red (0%)
- Green (46%)
- Blue (88%)



- Red (0%)
- Yellow (30%)
- Blue (88%)



- Cyan (100%)
- Magenta (48%)
- Yellow (0%)
- Black (12%)



- Cyan (100%)
- Magenta (54%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Android color 4278220513 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Android color 4278220513 by changing the saturation by 10% instead.



 4278220513

 4278220513

4294967295

 4278214341

 4285049343


 4278208425

 4287218943

 4278203022

 4289323263

 4278198132

 4291362303

 4278190938

 4293394431

 4278191938

 4278190891

 4278190357

 4278190080

■ 4278220513

■ 4279665121

■ 4281175009

■ 4282685153

■ 4284129761

■ 4285639905

■ 4287084257

■ 4288528865

■ 4290039009

■ 4291548897

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



4278224606



4278220513



4287913671

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



4278220513



4291448880



4278226260

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



4278220513



4292963072

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



4282156828



4278220513



4289292288

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



4278220513



4292230243



4286282496



4278226828

# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



4278220513



4290399146



4286282496



4278225985

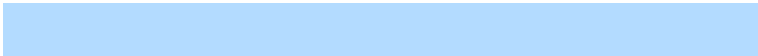


# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



4278220513



4289977343



4278247785



4283591296



4278190080



4286611584



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



4278220513



4278224639



4278192097



4284836720



4278213808



4278196528



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



4292935798



4294901894



4292991488



4285556075



4289724508



4281335833



# Previews

## White Background



This preview shows how the Android color 4278220513 looks on a white background.

### Color Contrast Check

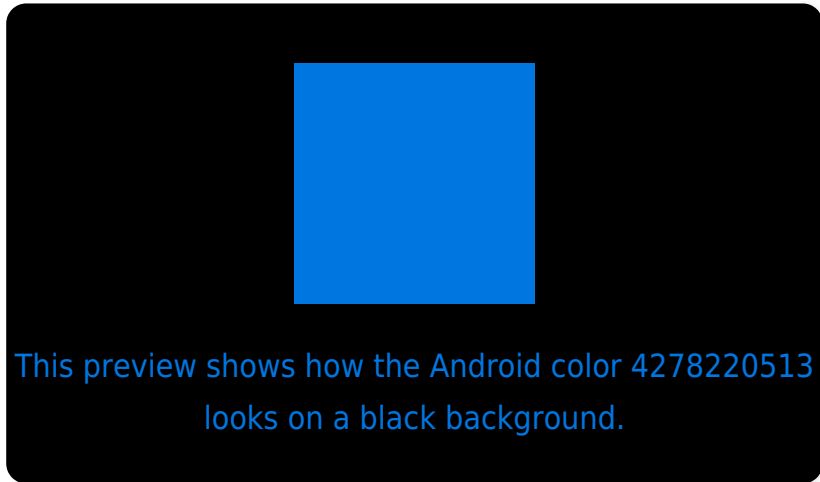
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



# Android 4278220513 Background



This preview shows how black text looks on a background with the Android color 4278220513.



This preview shows how white text looks on a background with the Android color 4278220513.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy





# Trichromacy



**Original Color**  
4278220513

**Protanomaly**  
4280775903

**Deuteranomaly**  
4278221017

**Tritanomaly**  
4278222763

# Monochromacy



**Original Color**  
4278220513

**Achromatopsia**  
4284440415

**Achromatomaly**  
4282148750

# CSS Examples

## Text

The CSS property to change the color of the text to Android 4278220513 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(0, 118, 225)` looks like.

```
.text, #text, p{  
    color:rgb(0, 118, 225)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(0, 118, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 118, 225) }
```

## Border

The CSS property to change the border of an element to Android 4278220513 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(0, 118, 225) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(0, 118, 225) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(0, 118, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 118, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 118, 225);  
box-shadow:4px 4px 4px 4px rgb(0, 118,  
225) }
```

# Background

The CSS property to change the background color of an element to Android 4278220513 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 118, 225) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(0, 118,  
225) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).



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