

# Converting Colors

Android(4278238566)

Have a look what the booklet for  
Android(4278238566) contains.

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**Color**

**Android(4278238566)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00BD66
RGB	0, 189, 102
RGB Percent	0%, 74%, 40%
CMY	1.0000, 0.2588, 0.6000
CMYK	1.00, 0.00, 0.46, 0.26
HSL	152°, 100%, 37%
HSV	152°, 100%, 74%
XYZ	20.5959, 37.3545, 18.6950
YIQ	122.5710, -84.7170, -67.1250

# Conversions

## Conversions Part 2

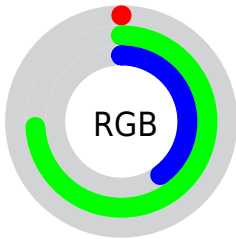
Format	Color
<b>RYB</b>	0, 123, 189
Decimal	48486
CIELab	67.54, -59.78, 32.88
CIELCh	68, 68.221, 151.189
Yxy	37.3545, 0.2687, 0.4874
Android (android.graphics.Color)	4278238566 (0xFF00BD66)
YUV	122.5710, -10.1415, -107.4948
Hunter-Lab	61.1183, -46.8055, 24.6471

# Details

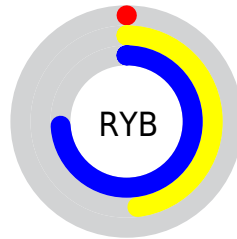
The Android color **4278238566** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **4290576471**, and the grayscale version is **4286282619**.

A 20% lighter version of the original color is **4284610458**, and **4278224437** is the 20% darker color. If you saturate the color by 10%, you get **4278238566**, and if you desaturate by 10%, it is **4279483759**.

# Distribution



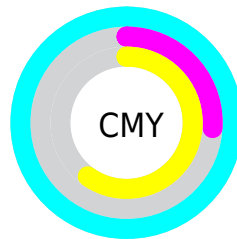
- Red (0%)
- Green (74%)
- Blue (40%)



- Red (0%)
- Yellow (48%)
- Blue (74%)



- Cyan (100%)
- Magenta (0%)
- Yellow (46%)
- Black (26%)



- Cyan (100%)
- Magenta (26%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the Android color 4278238566 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 4278238566 by changing the saturation by 10% instead.



 4278238566

 4278238566

4294967295

 4278231373

 4284610458

 4278224437

 4286709685

 4278217757

 4288741329

 4278211075

 4290707438

 4278204672

 4292673535

 4278198784


 4294705151

 4278190080

 4278238566

 4279483759

 4280728951

 4281974144

 4283219337

 4284464530

 4285644186

 4286889379

 4288134572

 4289379764

# Harmonies

## Analogous

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



4286821167



4278238566



4278239653

# Triad

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



4278238566



4278234111



4294931048

# Complementary

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



4278238566



4290576471

# 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.



4294928549



4278238566



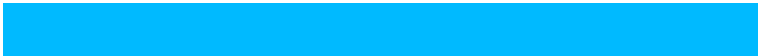
4289172479

# Square

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



4278238566



4278237951



4293949665



4294019893

# Rectangle

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



4278238566



4278239695



4293949665



4294929532

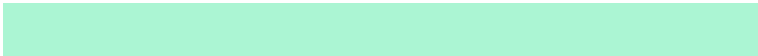


# Sweetspot

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



4278238566



4289459667



4284005632



4283333222



4294638330



4286216826



# Same Dimension

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



4278238566



4278252932



4278237117



4283784794



4278230613



4278198033



# Inverse Universe

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



4290576471



4294246513



4290577920



4284372313



4288544841



4280221710



# Previews

## White Background



This preview shows how the Android color 4278238566 looks on a white background.

## Color Contrast Check

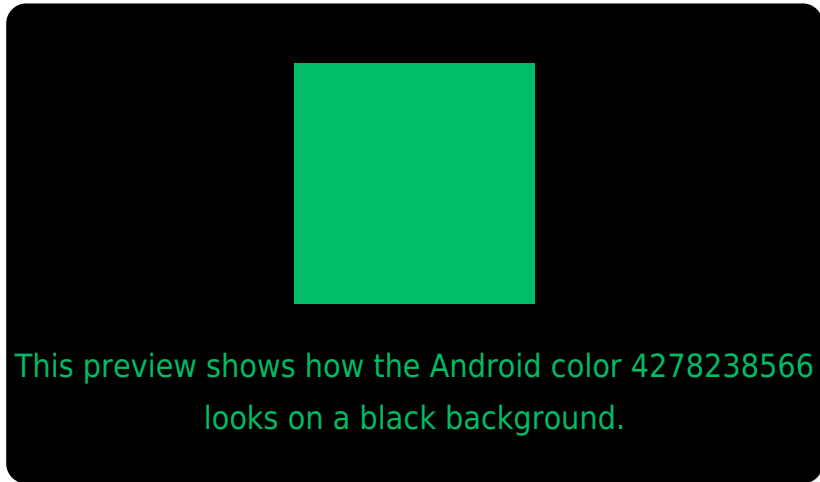
Large Text (above 18pt) WCAG AA × Fail

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 ✓ Pass

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



# Android 4278238566 Background



This preview shows how black text looks on a background with the Android color 4278238566.



This preview shows how white text looks on a background with the Android color 4278238566.

# 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**

4278238566



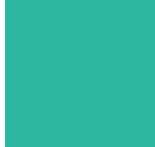
**Protanomaly**

4285705312



**Deuteranomaly**

4286359659



**Tritanomaly**

4281186208

# Monochromacy



**Original Color**

4278238566



**Achromatopsia**

4286282619



**Achromatomaly**

4283339635

# CSS Examples

## Text

The CSS property to change the color of the text to Android 4278238566 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, 189, 102)` looks like.

```
.text, #text, p{  
    color:rgb(0, 189, 102)  
}
```

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, 189, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 189, 102) }
```

## Border

The CSS property to change the border of an element to Android 4278238566 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, 189, 102) }
```

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

```
.border{ border-color:rgb(0, 189, 102) }
```

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

Here you see how a box with a 4 pixel rgb(0, 189, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 189, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 189, 102);  
box-shadow:4px 4px 4px 4px rgb(0, 189,  
102) }
```

# Background

The CSS property to change the background color of an element to Android 4278238566 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 189, 102) }
```

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

```
.background{ background-color: rgb(0, 189,  
102) }
```

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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