

# Converting Colors

Android(4278206663)

Have a look what the booklet for  
Android(4278206663) contains.

<b>Android(4278206663)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Android(4278206663)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0040C7
RGB	0, 64, 199
RGB Percent	0%, 25%, 78%
CMY	1.0000, 0.7490, 0.2196
CMYK	1.00, 0.68, 0.00, 0.22
HSL	221°, 100%, 39%
HSV	221°, 100%, 78%
XYZ	12.1422, 7.7903, 54.8965
YIQ	60.2540, -81.4790, 28.4170

# Conversions

## Conversions Part 2

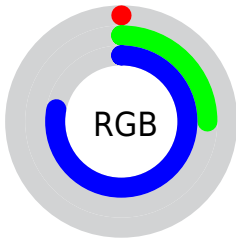
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 48, 199
Decimal	16583
CIELab	33.54, 38.28, -73.76
CIELCh	34, 83.103, 297.424
Yxy	7.7903, 0.1623, 0.1041
Android (android.graphics.Color)	4278206663 (0xFF0040C7)
YUV	60.2540, 68.4018, -52.8428
Hunter-Lab	27.9111, 28.8085, -97.0758

# Details

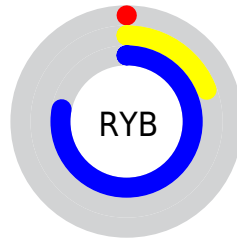
The Android color `4278206663` is a dark color, and the websafe version is hex `0033CC`. The color can be described as dark washed blue. A complement of this color would be `4291266304`, and the grayscale version is `4282137660`.

A 20% lighter version of the original color is `4284772607`, and `4278196112` is the 20% darker color. If you saturate the color by 10%, you get `4278206663`, and if you desaturate by 10%, it is `4279520967`.

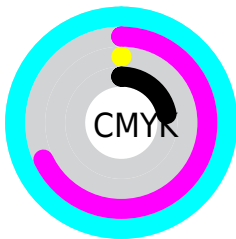
# Distribution



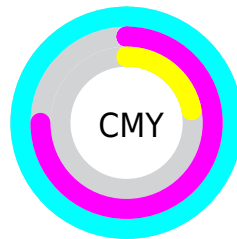
- Red (0%)
- Green (25%)
- Blue (78%)



- Red (0%)
- Yellow (19%)
- Blue (78%)



- Cyan (100%)
- Magenta (68%)
- Yellow (0%)
- Black (22%)



- Cyan (100%)
- Magenta (75%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Android color 4278206663 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 4278206663 by changing the saturation by 10% instead.



 4278206663

 4278206663

4294967295

 4278201003

 4284772607

 4278196112

 4286876159

 4278190965

 4288914431

 4278191707

 4290952959

 4278191939

 4292991743

 4278190892

 4294965247

 4278190358

 4278190080

 4278206663

■ 4279520967

■ 4280835015

■ 4282149319

■ 4283463367

■ 4284777671

■ 4286026183

■ 4287340487

■ 4288654535

■ 4289968839

# Harmonies

## Analogous

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



4278213590



4278206663



4287824023

# Triad

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



4278206663



4288030208



4278216263

# Complementary

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



4278206663



4291266304

# 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.



4278215424



4278206663



4284893952

# Square

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



4278206663



4289986584



4280179712



4278216587

# Rectangle

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



4278206663



4289724526



4280179712



4278215984



# Sweetspot

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



4278206663



4289973247



4278241157



4283588736



4278190080



4286611584



# Same Dimension

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



4278206663



4278211327



4280352967



4284112227



4278203555



4278192932



# Inverse Universe

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



4291231808



4294901842



4289120000



4284701277



4288872500



4280549387



# Previews

## White Background



This preview shows how the Android color 4278206663 looks on a white background.

## Color Contrast Check

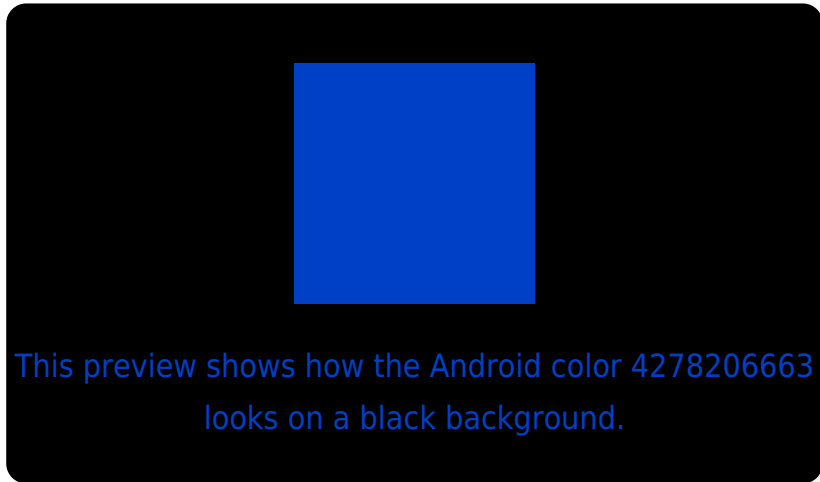
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black 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

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



# Android 4278206663 Background



This preview shows how black text looks on a background with the Android color 4278206663.



This preview shows how white text looks on a background with the Android color 4278206663.

# 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



**Original Color**

4278206663

**Protanopia**

4278209696

**Deuteranopia**

4278210953



# Trichromacy



**Original Color**

4278206663

**Protanomaly**

4278208686

**Deuteranomaly**

4278209440

**Tritanomaly**

4278210435

# Monochromacy



**Original Color**

4278206663

**Achromatopsia**

4282137660

**Achromatomaly**

4280696175

# CSS Examples

## Text

The CSS property to change the color of the text to Android 4278206663 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, 64, 199)` looks like.

```
.text, #text, p{  
    color:rgb(0, 64, 199)  
}
```

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, 64, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 64, 199) }
```

## Border

The CSS property to change the border of an element to Android 4278206663 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, 64, 199) }
```

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

```
.border{ border-color:rgb(0, 64, 199) }
```

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

Here you see how a box with a 4 pixel rgb(0, 64, 199) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 64, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 64, 199);  
box-shadow:4px 4px 4px 4px rgb(0, 64, 199)  
}
```

# Background

The CSS property to change the background color of an element to Android 4278206663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 64, 199) }
```

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

```
.background{ background-color: rgb(0, 64,  
199) }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor