

# Converting Colors

Android(4278200305)

Have a look what the booklet for  
Android(4278200305) contains.

<b>Android(4278200305)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Android(4278200305)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0027F1
RGB	0, 39, 241
RGB Percent	0%, 15%, 95%
CMY	1.0000, 0.8471, 0.0549
CMYK	1.00, 0.84, 0.00, 0.05
HSL	230°, 100%, 47%
HSV	230°, 100%, 95%
XYZ	16.6027, 7.8019, 83.8499
YIQ	50.3670, -88.0860, 54.5540

# Conversions

## Conversions Part 2

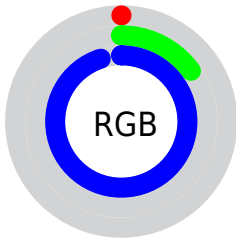
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 34, 241
Decimal	10225
CIELab	33.57, 65.85, -97.86
CIELCh	34, 117.953, 303.937
Yxy	7.8019, 0.1534, 0.0721
Android (android.graphics.Color)	4278200305 (0xFF0027F1)
YUV	50.3670, 93.9821, -44.1719
Hunter-Lab	27.9319, 57.2194, -158.4328

# Details

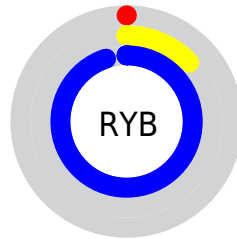
The Android color `4278200305` is a dark color, and the websafe version is hex `0033FF`. The color can be described as dark saturated blue. A complement of this color would be `4294035968`, and the grayscale version is `4281479730`.

A 20% lighter version of the original color is `4285750015`, and `4278190263` is the 20% darker color. If you saturate the color by 10%, you get `4278200305`, and if you desaturate by 10%, it is `4279778289`.

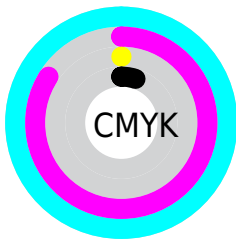
# Distribution



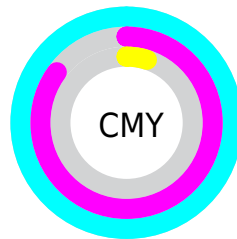
- Red (0%)
- Green (15%)
- Blue (95%)



- Red (0%)
- Yellow (13%)
- Blue (95%)



- Cyan (100%)
- Magenta (84%)
- Yellow (0%)
- Black (5%)



- Cyan (100%)
- Magenta (85%)
- Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Android color 4278200305 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 4278200305 by changing the saturation by 10% instead.



 4278200305

 4278200305

4294967295

 4278192852

 4285750015

 4278190263

 4288050431

 4278190235

 4290285567

 4278190208

 4292389631

 4278194278

 4294559487

 4278192461

 4294960127

 4278191413

 4278190623

 4278190081

 4278200305

 4279778289

 4281356273

 4282934513

 4284512497

 4286090481

 4287734001

 4289311985

 4290890225

 4292468209

# Harmonies

## Analogous

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



4278214655



4278200305



4290576548

# Triad

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



4278200305



4288550656



4278217306

# Complementary

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



4278200305



4294035968

# 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.



4278216704



4278200305



4283846912

# Square

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



4278200305



4291756032



4278215168



4278218425

# Rectangle

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



4278200305



4292542567



4278215168



4278217017



# Sweetspot

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



4278200305



4289970175



4278251977



4283586944



4278190080



4286611584



# Same Dimension

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



4278200305



4278200831



4283433201



4285296248



4278197944



4278192440



# Inverse Universe

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



4293984295



4294901801



4288803072



4286082158



4290248734

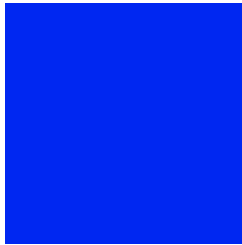


4281860105



# Previews

## White Background



This preview shows how the Android color 4278200305 looks on a white background.

## Color Contrast Check

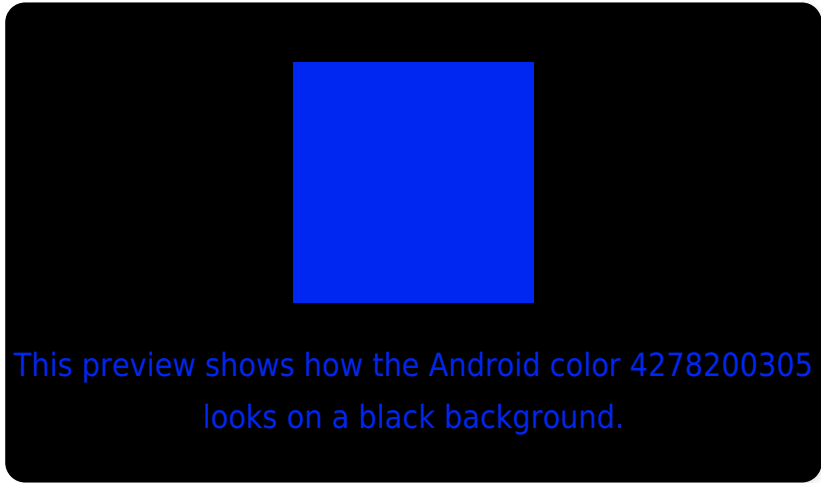
Large Text (above 18pt) WCAG AA ✓ Pass

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

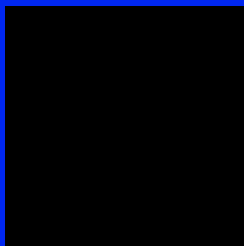
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Android 4278200305 Background



This preview shows how black text looks on a background with the Android color 4278200305.



This preview shows how white text looks on a background with the Android color 4278200305.

# 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**  
4278200305

**Protanopia**  
4278209695

**Deuteranopia**  
4278210951



# Trichromacy



**Original Color**  
4278200305

**Protanomaly**  
4278206397

**Deuteranomaly**  
4278207150

**Tritanomaly**  
4278208146

# Monochromacy



**Original Color**  
4278200305

**Achromatopsia**  
4281479730

**Achromatomaly**  
4280299127

# CSS Examples

## Text

The CSS property to change the color of the text to Android 4278200305 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, 39, 241)` looks like.

```
.text, #text, p{  
    color:rgb(0, 39, 241)  
}
```

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, 39, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 39, 241) }
```

## Border

The CSS property to change the border of an element to Android 4278200305 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, 39, 241) }
```

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

```
.border{ border-color:rgb(0, 39, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 39, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 39, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 39, 241);  
box-shadow:4px 4px 4px 4px rgb(0, 39, 241)  
}
```

# Background

The CSS property to change the background color of an element to Android 4278200305 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 39, 241) }
```

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

```
.background{ background-color: rgb(0, 39,  
241) }
```

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