

# Converting Colors

Android(4291433216)

Have a look what the booklet for  
Android(4291433216) contains.

<b>Android(4291433216)</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(4291433216)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CA1300
RGB	202, 19, 0
RGB Percent	79%, 7%, 0%
CMY	0.2078, 0.9255, 1.0000
CMYK	0.00, 0.91, 1.00, 0.21
HSL	6°, 100%, 40%
HSV	6°, 100%, 79%
XYZ	24.5900, 13.0223, 1.2175
YIQ	71.5510, 115.1670, 32.8870

# Conversions

## Conversions Part 2

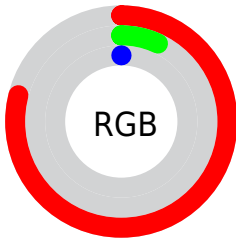
Format	Color
<a href="#">RYB</a>	202, 21, 0
Decimal	13243136
CIELab	42.80, 65.16, 56.65
CIElCh	43, 86.346, 41.002
Yxy	13.0223, 0.6333, 0.3354
Android (android.graphics.Color)	4291433216 (0xFFCA1300)
YUV	71.5510, -35.2746, 114.4038
Hunter-Lab	36.0864, 58.4821, 23.2601

# Details

The Android color **4291433216** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **4278237130**, and the grayscale version is **4282927176**.

A 20% lighter version of the original color is **4294924853**, and **4287168512** is the 20% darker color. If you saturate the color by 10%, you get **4291433216**, and if you desaturate by 10%, it is **4291437844**.

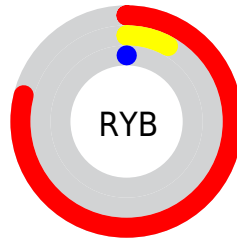
# Distribution



Red (79%)

Green (7%)

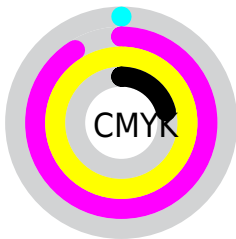
Blue (0%)



Red (79%)

Yellow (8%)

Blue (0%)

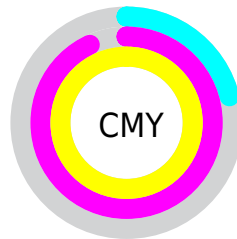


Cyan (0%)

Magenta (91%)

Yellow (100%)

Black (21%)



Cyan (21%)

Magenta (93%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Android color 4291433216 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 4291433216 by changing the saturation by 10% instead.




 4291433216	 4291433216
 4294967280	 4289331200
 4294924853	 4287168512
 4294932302	 4285136896
 4294939751	 4283170818
 4294947201	 4281204738
 4294954652	 4278190080
 4294962103	
 4294967251	
 4291433216	

 4291437844

 4291442728

 4291447357

 4291451985

 4291456869

 4291461497

 4291466125

 4291470754

 4291475638

# Harmonies

## Analogous

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



4292542543



4291433216



4288696320

# Triad

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



4291433216



4278222386



4278216693

# Complementary

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



4291433216



4278237130

# 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.



4278221551



4291433216



4278223231

# Square

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



4291433216



4278220800



4278223043



4286660819

# Rectangle

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



4291433216



4286211072



4278223043



4278218743



# Sweetspot

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



4291433216



4294949555



4291428537



4286600786



4278190080



4286611584



# Same Dimension

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



4291433216



4294907904



4291458560



4284898652



4289073152



4280681472



# Inverse Universe

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



4278237130



4278249471



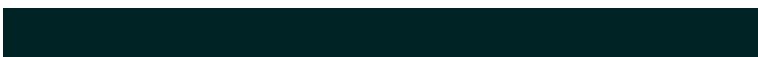
4278211786



4284245350



4278228646



4278199078



# Previews

## White Background



This preview shows how the Android color 4291433216 looks on a white background.

## Color Contrast Check

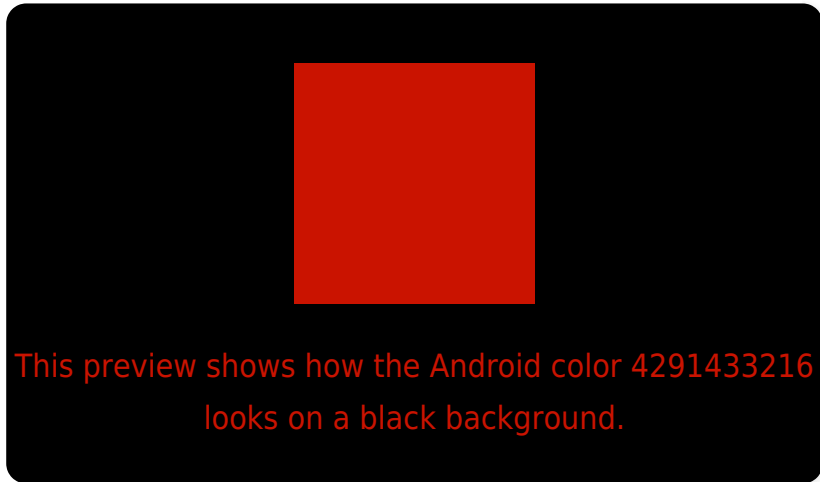
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black 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

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



# Android 4291433216 Background



This preview shows how black text looks on a background with the Android color 4291433216.



This preview shows how white text looks on a background with the Android color 4291433216.

# 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



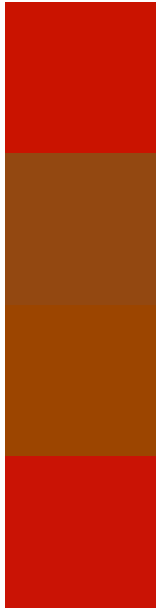
**Original Color**  
4291433216

**Protanopia**  
4285753114

**Deuteranopia**  
4286669312



# Trichromacy



**Original Color**  
4291433216

**Protanomaly**  
4287842321

**Deuteranomaly**  
4288431360

**Tritanomaly**  
4291433221

# Monochromacy



**Original Color**  
4291433216

**Achromatopsia**  
4282927176

**Achromatomaly**  
4286002478

# CSS Examples

## Text

The CSS property to change the color of the text to Android 4291433216 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(202, 19, 0)` looks like.

```
.text, #text, p{  
    color:rgb(202, 19, 0)  
}
```

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(202, 19, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 19, 0) }
```

## Border

The CSS property to change the border of an element to Android 4291433216 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(202, 19, 0) }
```

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

```
.border{ border-color:rgb(202, 19, 0) }
```

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

Here you see how a box with a 4 pixel rgb(202, 19, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 19, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 19, 0);  
box-shadow:4px 4px 4px 4px rgb(202, 19, 0)  
}
```

# Background

The CSS property to change the background color of an element to Android 4291433216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 19, 0) }
```

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

```
.background{ background-color: rgb(202, 19,  
0) }
```

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