

# Converting Colors

Android(4280099012)

Have a look what the booklet for  
Android(4280099012) contains.

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# Color

**Android(4280099012)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	1D20C4
RGB	29, 32, 196
RGB Percent	11%, 13%, 77%
CMY	0.8863, 0.8745, 0.2314
CMYK	0.85, 0.84, 0.00, 0.23
HSL	239°, 74%, 44%
HSV	239°, 85%, 77%
XYZ	10.9870, 5.2798, 52.6646
YIQ	49.7990, -54.4320, 50.3680

# Conversions

## Conversions Part 2

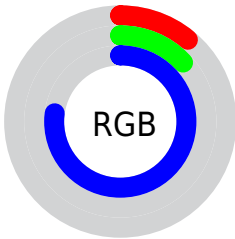
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	29, 32, 196
Decimal	1908932
CIE <sub>Lab</sub>	27.52, 55.99, -81.96
CIE <sub>LCh</sub>	28, 99.263, 304.338
Yxy	5.2798, 0.1594, 0.0766
Android (android.graphics.Color)	4280099012 (0xFF1D20C4)
YUV	49.7990, 72.0771, -18.2407
Hunter-Lab	22.9777, 45.1404, -119.8073

# Details

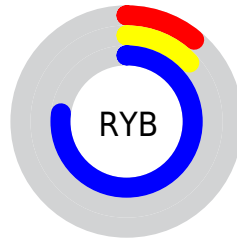
The Android color `4280099012` is a dark color, and the websafe version is hex `3333CC`. The color can be described as dark washed blue. A complement of this color would be `4291084573`, and the grayscale version is `4281413937`.

A 20% lighter version of the original color is `4285420286`, and `4278190221` is the 20% darker color. If you saturate the color by 10%, you get `4278783428`, and if you desaturate by 10%, it is `4281414596`.

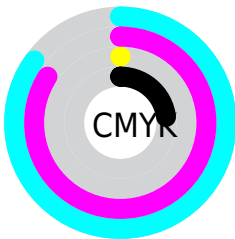
# Distribution



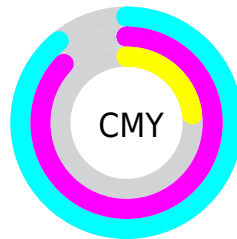
- Red (11%)
- Green (13%)
- Blue (77%)



- Red (11%)
- Yellow (13%)
- Blue (77%)



- Cyan (85%)
- Magenta (84%)
- Yellow (0%)
- Black (23%)



- Cyan (89%)
- Magenta (87%)
- Yellow (23%)

# Brightness & Saturation Gradients

These gradients show how the Android color 4280099012 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 4280099012 by changing the saturation by 10% instead.



 4280099012

 4280099012

4294967295

 4278191272

 4285420286


 4278190221

 4287523839

 4278190194

 4289562111

 4278192984

 4291600639

 4278191936

 4293639167

 4278190889

 4294957311

 4278190355

 4294964479

 4278190080

 4280099012

 4280099012

■ 4278783428

■ 4281414596

■ 4278191300

■ 4282664644

■ 4283980484

■ 4285230532

■ 4286546116

■ 4287861700

■ 4289112004

■ 4290427588

■ 4291677636

# Harmonies

## Analogous

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



4278210017



4280099012



4288413829

# Triad

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



4280099012



4286650112



4278212683

# Complementary

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



4280099012



4291084573

# 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.



4278212096



4280099012



4282860288

# Square

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



4280099012



4289331200



4278210816



4278213272

# Rectangle

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



4280099012



4289986643



4278210816



4278212400



# Sweetspot

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



4280099012



4290625279



4280140990



4283980160



4278190080



4286611584



# Same Dimension

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



4280099012



4278191615



4285210052



4283914081



4278191009



4278190369



# Inverse Universe

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



4291042592



4294901765



4285973533



4284569431



4288741379

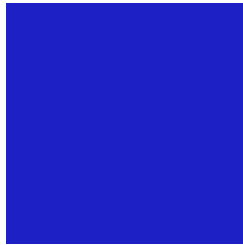


4280352769



# Previews

## White Background



This preview shows how the Android color 4280099012 looks on a white background.

## Color Contrast Check

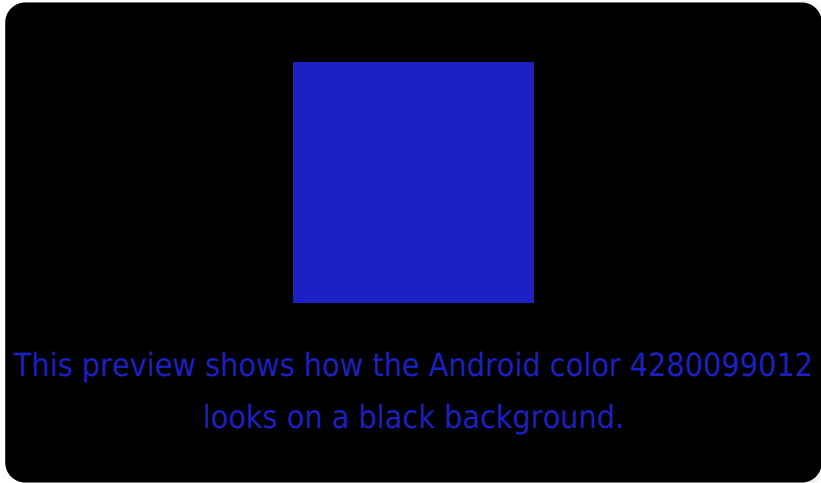
Large Text (above 18pt) WCAG AA ✓ Pass

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

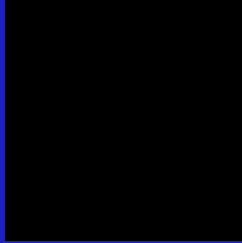
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



# Android 4280099012 Background



This preview shows how black text looks on a background with the Android color 4280099012.



This preview shows how white text looks on a background with the Android color 4280099012.

# 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**  
4280099012

**Protanopia**  
4278206340

**Deuteranopia**  
4278207344



# Trichromacy



**Original Color**  
4280099012

**Protanomaly**  
4278924443

**Deuteranomaly**  
4278924943

**Tritanomaly**  
4278925688

# Monochromacy



**Original Color**  
4280099012

**Achromatopsia**  
4281479730

**Achromatomaly**  
4280953703

# CSS Examples

## Text

The CSS property to change the color of the text to Android 4280099012 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(29, 32, 196)` looks like.

```
.text, #text, p{  
    color:rgb(29, 32, 196)  
}
```

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(29, 32, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 32, 196) }
```

## Border

The CSS property to change the border of an element to Android 4280099012 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(29, 32, 196) }
```

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

```
.border{ border-color:rgb(29, 32, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 32, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 32, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 32, 196);  
box-shadow:4px 4px 4px 4px rgb(29, 32,  
196) }
```

# Background

The CSS property to change the background color of an element to Android 4280099012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 32, 196) }
```

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

```
.background{ background-color: rgb(29, 32,  
196) }
```

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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