

# Converting Colors

Android(4280291500)

Have a look what the booklet for  
Android(4280291500) contains.

<b>Android(4280291500)</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(4280291500)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2010AC
RGB	32, 16, 172
RGB Percent	13%, 6%, 67%
CMY	0.8745, 0.9373, 0.3255
CMYK	0.81, 0.91, 0.00, 0.33
HSL	246°, 83%, 37%
HSV	246°, 91%, 67%
XYZ	8.2273, 3.6562, 39.3018
YIQ	38.5680, -40.5400, 51.9080

# Conversions

## Conversions Part 2

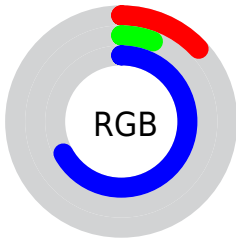
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	32, 16, 172
Decimal	2101420
CIE <sub>Lab</sub>	22.50, 55.23, -76.02
CIE <sub>LCh</sub>	23, 93.964, 305.998
Yxy	3.6562, 0.1607, 0.0714
Android (android.graphics.Color)	4280291500 (0xFF2010AC)
YUV	38.5680, 65.7820, -5.7601
Hunter-Lab	19.1212, 43.3416, -108.4799




# Details

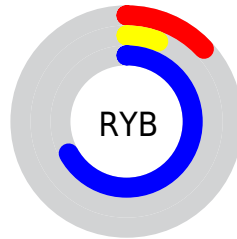
The Android color `4280291500` is a dark color, and the websafe version is hex `000099`. A complement of this color would be `4288457744`, and the grayscale version is `4280690214`.




A 20% lighter version of the original color is `4285154533`, and `4278190198` is the 20% darker color. If you saturate the color by 10%, you get `4279369900`, and if you desaturate by 10%, it is `4281278892`.

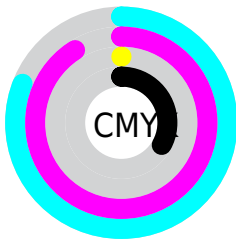
# Distribution







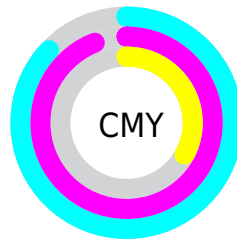
-  Red (13%)
-  Green (6%)
-  Blue (67%)






-  Red (13%)
-  Yellow (6%)
-  Blue (67%)



-  Cyan (81%)
-  Magenta (91%)
-  Yellow (0%)
-  Black (33%)



-  Cyan (87%)
-  Magenta (94%)
-  Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Android color 4280291500 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 4280291500 by changing the saturation by 10% instead.



 4280291500

 4280291500

4294967295

 4278190225

 4285154533

 4278190198

 4287127039

 4278190172

 4289165311

 4278191940

 4291138303

 4278190892

 4293176831

 4278190359

 4294953471

 4278190080

 4294960895

 4280291500

 4280291500

■ 4279369900

■ 4281278892

■ 4282331820

■ 4283319468

■ 4284372396

■ 4285359788

■ 4286412716

■ 4287400108

■ 4288387756

■ 4289440684

# Harmonies

## Analogous

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



4278206665



4280291500



4287299697

# Triad

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



4280291500



4285338112



4278209347

# Complementary

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



4280291500



4288457744

# 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.



4278208768



4280291500



4281809152

# Square

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



4280291500



4287823872



4278207488



4278209929

# Rectangle

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



4280291500



4288610371



4278207488



4278209066



# Sweetspot

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



4280291500



4289373408



4279278764



4283452528



4293980400



4285558896



# Same Dimension

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



4280291500



4279697632



4285403308



4283387479



4279173270



4278321175



# Inverse Universe

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



4289466524



4292870345



4283345936



4283911766



4288020615

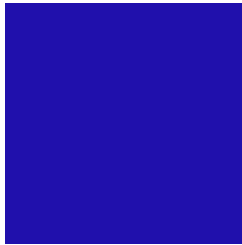


4279697429



# Previews

## White Background



This preview shows how the Android color 4280291500 looks on a white background.

## Color Contrast Check

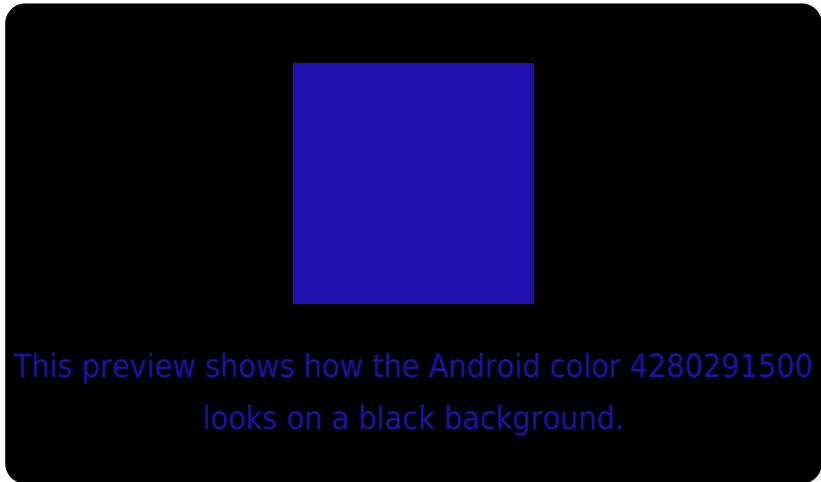
Large Text (above 18pt) WCAG AA ✓ Pass

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 4280291500 Background



This preview shows how black text looks on a background with the Android color 4280291500.



This preview shows how white text looks on a background with the Android color 4280291500.

# 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**  
4280291500

**Protanopia**  
4278203759

**Deuteranopia**  
4278204766



# Trichromacy



**Original Color**

4280291500

**Protanomaly**

4278986885

**Deuteranomaly**

4278987386

**Tritanomaly**

4278988135

# Monochromacy



**Original Color**

4280291500

**Achromatopsia**

4280756007

**Achromatomaly**

4280557399

# CSS Examples

## Text

The CSS property to change the color of the text to Android 4280291500 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(32, 16, 172)` looks like.

```
.text, #text, p{  
    color:rgb(32, 16, 172)  
}
```

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(32, 16, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 16, 172) }
```

## Border

The CSS property to change the border of an element to Android 4280291500 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(32, 16, 172) }
```

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

```
.border{ border-color:rgb(32, 16, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 16, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 16, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 16, 172);  
box-shadow:4px 4px 4px 4px rgb(32, 16,  
172) }
```

# Background

The CSS property to change the background color of an element to Android 4280291500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 16, 172) }
```

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

```
.background{ background-color: rgb(32, 16,  
172) }
```

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