

# Converting Colors

Android(4280224002)

Have a look what the booklet for  
Android(4280224002) contains.

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# **Color**

**Android(4280224002)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1F0902
RGB	31, 9, 2
RGB Percent	12%, 4%, 1%
CMY	0.8784, 0.9647, 0.9922
CMYK	0.00, 0.71, 0.94, 0.88
HSL	14°, 88%, 6%
HSV	14°, 94%, 12%
XYZ	0.6737, 0.4911, 0.1167
YIQ	14.7800, 15.3590, 2.4870

# Conversions

## Conversions Part 2

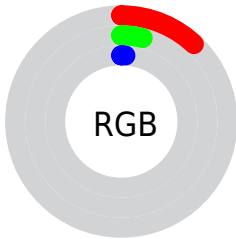
Format	Color
<a href="#">RYB</a>	<a href="#">31, 11, 2</a>
Decimal	<a href="#">2033922</a>
CIELab	<a href="#">4.44, 8.48, 5.98</a>
CIELCh	<a href="#">4, 10.374, 35.189</a>
Yxy	<a href="#">0.4911, 0.5257, 0.3832</a>
Android (android.graphics.Color)	<a href="#">4280224002</a> ( <a href="#">0xFF1F0902</a> )
YUV	<a href="#">14.7800, -6.3005, 14.2249</a>
Hunter-Lab	<a href="#">7.0076, 4.8979, 3.9179</a>

# Details

The Android color **4280224002** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **4278327327**, and the grayscale version is **4279176975**.

A 20% lighter version of the original color is **4283053361**, and **4278190080** is the 20% darker color. If you saturate the color by 10%, you get **4280223488**, and if you desaturate by 10%, it is **4280224517**.

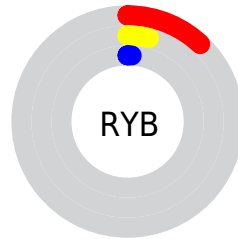
# Distribution



Red (12%)

Green (4%)

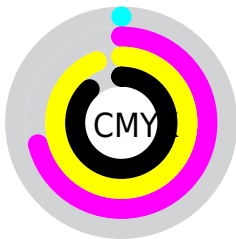
Blue (1%)



Red (12%)

Yellow (4%)

Blue (1%)

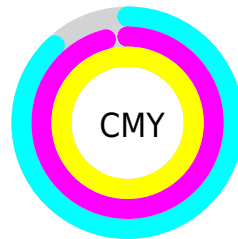


Cyan (0%)

Magenta (71%)

Yellow (94%)

Black (88%)



Cyan (88%)

Magenta (96%)

Yellow (99%)

# Brightness & Saturation Gradients

These gradients show how the Android color 4280224002 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 4280224002 by changing the saturation by 10% instead.



 4280224002

 4280224002

 4294961636

 4278190080


 4283053361

 4284632136

 4286276704

 4287987064

 4289763218

 4291539372

 4293447112

 4280224002

 4280224002

■ 4280223488

■ 4280224517

■ 4280225288

■ 4280225803

■ 4280226318

■ 4280227089

■ 4280227605

■ 4280228120

■ 4280228891

■ 4280229406

# Harmonies

## Analogous

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



4280223758



4280224002



4279962624

# Triad

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



4280224002



4278195205



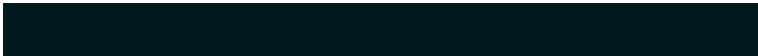
4278587422

# Complementary

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



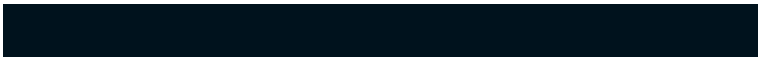
4280224002



4278327327

# 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.



4278194717



4280224002



4278195473

# Square

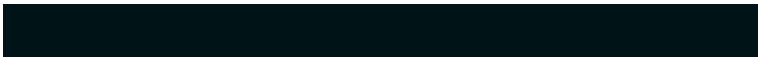
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



4280224002



4278784512



4278195224



4279438364

# Rectangle

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



4280224002



4279635456



4278195224



4278325534



# Sweetspot

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



4280224002



4280885277



428022232



4279504653



4287927444



4279505940



# Same Dimension

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



4280224002



4280879616



4280227586



4279176718



4283372288



4291768832



# Inverse Universe

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



4278327327



4278198057



4278323743



4279111439



4278205519

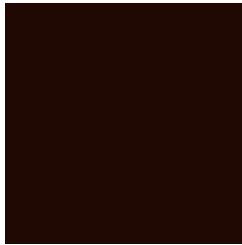


4278230479



# Previews

## White Background



This preview shows how the Android color 4280224002 looks on a white background.

## Color Contrast Check

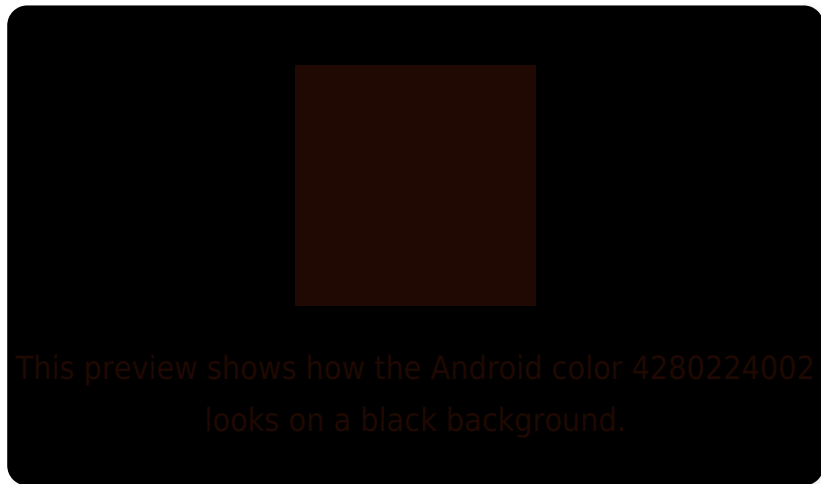
Large Text (above 18pt) WCAG AA ✓ Pass

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

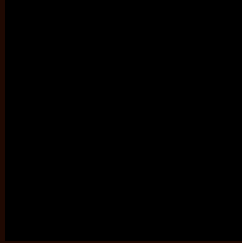
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



# Android 4280224002 Background



This preview shows how black text looks on a background with the Android color 4280224002.



This preview shows how white text looks on a background with the Android color 4280224002.

# 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



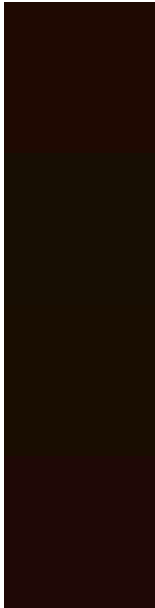
**Original Color**  
4280224002

**Protanopia**  
4279439620

**Deuteranopia**  
4279635968



# Trichromacy



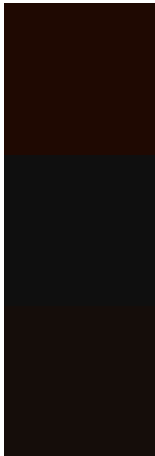
**Original Color**  
4280224002

**Protanomaly**  
4279700995

**Deuteranomaly**  
4279831809

**Tritanomaly**  
4280223750

# Monochromacy



**Original Color**  
4280224002

**Achromatopsia**  
4279176975

**Achromatomaly**  
4279569674

# CSS Examples

## Text

The CSS property to change the color of the text to Android 4280224002 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(31, 9, 2)` looks like.

```
.text, #text, p{  
    color:rgb(31, 9, 2)  
}
```

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(31, 9, 2) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 9, 2) }
```

## Border

The CSS property to change the border of an element to Android 4280224002 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(31, 9, 2) }
```

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

```
.border{ border-color:rgb(31, 9, 2) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 9, 2)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 9, 2); -webkit-box-shadow:4px  
4px 4px 4px rgb(31, 9, 2); box-shadow:4px  
4px 4px 4px rgb(31, 9, 2) }
```

# Background

The CSS property to change the background color of an element to Android 4280224002 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 9, 2) }
```

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

```
.background{ background-color: rgb(31, 9,  
2) }
```

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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