

# Converting Colors

Android(4280540022)

Have a look what the booklet for  
Android(4280540022) contains.

<b>Android(4280540022)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# **Color**

**Android(4280540022)**

# Conversions

## Conversions Part 1

Format	Color
Hex	23DB76
RGB	35, 219, 118
RGB Percent	14%, 86%, 46%
CMY	0.8627, 0.1412, 0.5373
CMYK	0.84, 0.00, 0.46, 0.14
HSL	147°, 72%, 50%
HSV	147°, 84%, 86%
XYZ	29.2947, 52.3284, 25.6959
YIQ	152.4700, -77.2430, -70.4190

# Conversions

## Conversions Part 2

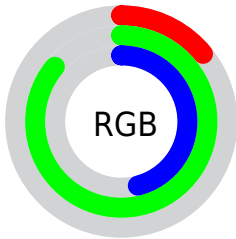
Format	Color
<a href="#">RYB</a>	<a href="#">35, 162, 219</a>
Decimal	<a href="#">2349942</a>
CIELab	<a href="#">77.48, -65.17, 37.57</a>
CIELCh	<a href="#">77, 75.229, 150.037</a>
Yxy	<a href="#">52.3284, 0.2730, 0.4876</a>
Android (android.graphics.Color)	<a href="#">4280540022 (0xFF23DB76)</a>
YUV	<a href="#">152.4700, -16.9937, -103.0212</a>
Hunter-Lab	<a href="#">72.3383, -54.3054, 29.5759</a>




# Details

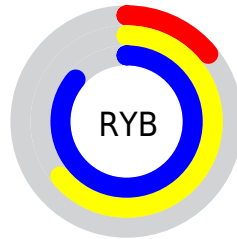
The Android color `4280540022` is a dark color, and the websafe version is hex `00CC66`. The color can be described as dark washed spring green. A complement of this color would be `4292551560`, and the grayscale version is `4288256409`.




A 20% lighter version of the original color is `4285792171`, and `4278231619` is the 20% darker color. If you saturate the color by 10%, you get `4279098218`, and if you desaturate by 10%, it is `4281981826`.

# Distribution







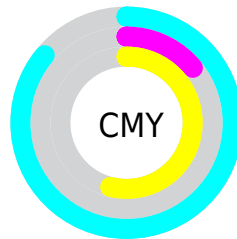
-  Red (14%)
-  Green (86%)
-  Blue (46%)






-  Red (14%)
-  Yellow (64%)
-  Blue (86%)



-  Cyan (84%)
-  Magenta (0%)
-  Yellow (46%)
-  Black (14%)



-  Cyan (86%)
-  Magenta (14%)
-  Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Android color 4280540022 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 4280540022 by changing the saturation by 10% instead.





4280540022



4280540022

4294967295



4278238812



4285792171



4278231619



4287889351



4278224683



4289920996



4278217744



4291952639



4278211328



4293984255



4278204928



4278198528



4278190080



4280540022



4280540022

 4279098218

 4281981826

 4278246243

 4283423630

 4284865434

 4286307238

 4287749042

 4289125310

 4290567114

 4292008918

 4293450722

# Harmonies

## Analogous

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



4288532537



4280540022



4278247613

# Triad

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



4280540022



4278241279



4294936190

# Complementary

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



4280540022



4292551560

# 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.



4294933698



4280540022



4290686463

# Square

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



4280540022



4278245631



4294938367



4294943043

# Rectangle

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



4280540022



4278247661



4294938367



4294934420

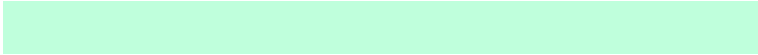


# Sweetspot

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



4280540022



4290772956



4287159075



4284055659



4278190080



4286611584



# Same Dimension

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



4280540022



4278255475



4280540114



4284706408



4278234446



4278201877



# Inverse Universe

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



4292551560



4294901900



4292551468



4285424489



4289527903

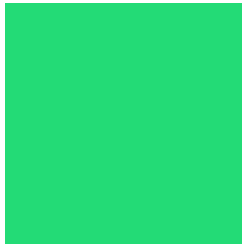


4281204761



# Previews

## White Background



This preview shows how the Android color 4280540022 looks on a white background.

## Color Contrast Check

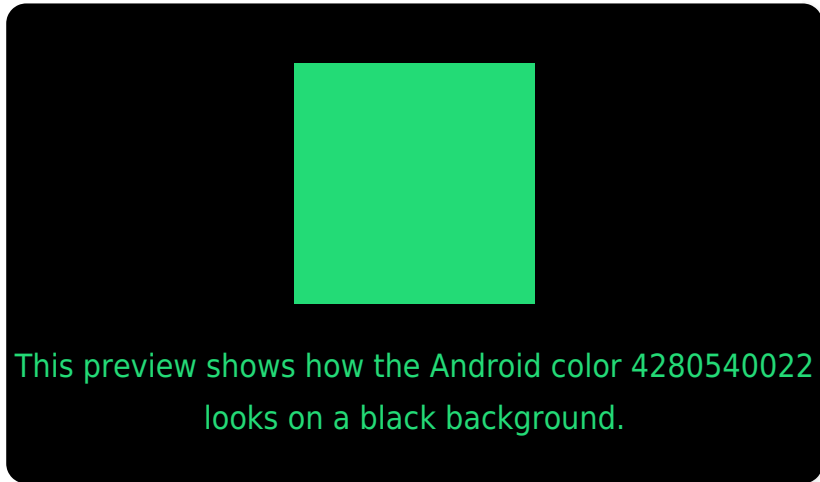
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black 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

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



# Android 4280540022 Background



This preview shows how black text looks on a background with the Android color 4280540022.

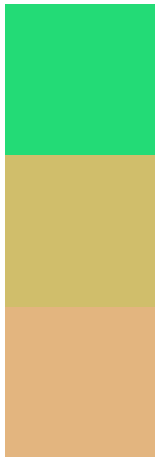


This preview shows how white text looks on a background with the Android color 4280540022.

# 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**  
4280540022

**Protanopia**  
4291870315

**Deuteranopia**  
4293113215



# Trichromacy



**Original Color**

4280540022



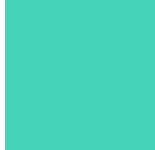
**Protanomaly**

4287744367



**Deuteranomaly**

4288529276



**Tritanomaly**

4282766265

# Monochromacy



**Original Color**

4280540022



**Achromatopsia**

4288190616



**Achromatomaly**

4285378700

# CSS Examples

## Text

The CSS property to change the color of the text to Android 4280540022 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(35, 219, 118)` looks like.

```
.text, #text, p{  
    color:rgb(35, 219, 118)  
}
```

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(35, 219, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 219, 118) }
```

## Border

The CSS property to change the border of an element to Android 4280540022 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(35, 219, 118) }
```

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

```
.border{ border-color:rgb(35, 219, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(35, 219, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(35, 219, 118); -webkit-box-shadow:4px 4px 4px 4px rgb(35, 219, 118); box-shadow:4px 4px 4px 4px rgb(35, 219, 118) }
```

# Background

The CSS property to change the background color of an element to Android 4280540022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 219, 118) }
```

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

```
.background{ background-color: rgb(35, 219,  
118) }
```

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