

# Converting Colors

Android(4280942455)

Have a look what the booklet for  
Android(4280942455) contains.

<b>Android(4280942455)</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(4280942455)**

# Conversions

## Conversions Part 1

Format	Color
Hex	29FF77
RGB	41, 255, 119
RGB Percent	16%, 100%, 47%
CMY	0.8392, 0.0000, 0.5333
CMYK	0.84, 0.00, 0.53, 0.00
HSL	142°, 100%, 58%
HSV	142°, 84%, 100%
XYZ	40.0042, 73.3233, 29.4971
YIQ	175.5100, -83.8880, -87.6640

# Conversions

## Conversions Part 2

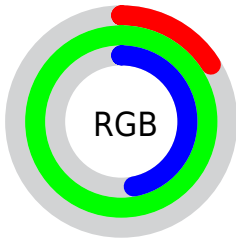
<b>Format</b>	<b>Color</b>
<b>RYB</b>	41, 198, 255
Decimal	2752375
CIELab	88.60, -76.16, 50.94
CIELCh	89, 91.625, 146.225
Yxy	73.3233, 0.2801, 0.5134
Android (android.graphics.Color)	4280942455 (0xFF29FF77)
YUV	175.5100, -27.8594, -117.9653
Hunter-Lab	85.6290, -66.4591, 39.5164

# Details

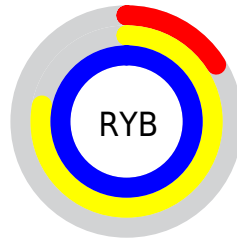
The Android color **4280942455** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **4294912433**, and the grayscale version is **4289769648**.

A 20% lighter version of the original color is **4286513070**, and **4278240578** is the 20% darker color. If you saturate the color by 10%, you get **4279304039**, and if you desaturate by 10%, it is **4282580871**.

# Distribution



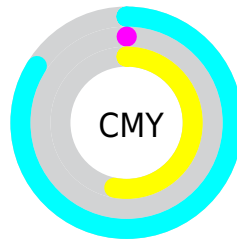
- Red (16%)
- Green (100%)
- Blue (47%)



- Red (16%)
- Yellow (78%)
- Blue (100%)



- Cyan (84%)
- Magenta (0%)
- Yellow (53%)
- Black (0%)



- Cyan (84%)
- Magenta (0%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Android color 4280942455 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 4280942455 by changing the saturation by 10% instead.





4280942455



4280942455

4294967295



4278248028



4286513070



4278240578



4288741322



4278233126



4290838503



4278225920



4292935679



4278219008



4278212352



4278205952



4278199296



4278190080

■ 4280942455

■ 4280942455

■ 4279304039

■ 4282580871

■ 4278255453

■ 4284284823

■ 4285988776

■ 4287627192

■ 4289331144

■ 4290969560

■ 4292673512

■ 4294311929

4294967295

# Harmonies

## Analogous

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



4290637858



4280942455



4278255568

# Triad

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



4280942455



4278250751



4294938519

# Complementary

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



4280942455



4294912433

# 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.



4294936301



4280942455



4291284223

# Square

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



4280942455



4278255615



4294943743



4294947657

# Rectangle

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



4280942455



4278255615



4294943743



4294936499

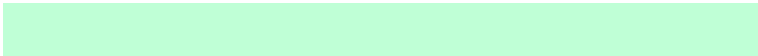


# Sweetspot

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



4280942455



4290772950



4290051881



4284055655



4278190080



4286611584



# Same Dimension

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



4280942455



4278255453



4280942559



4285759607



4278239046



4278206487



# Inverse Universe

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



4294912433



4294901922



4294912329



4286608251



4290707578

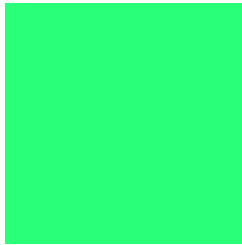


4282384425



# Previews

## White Background



This preview shows how the Android color 4280942455 looks on a white background.

## Color Contrast Check

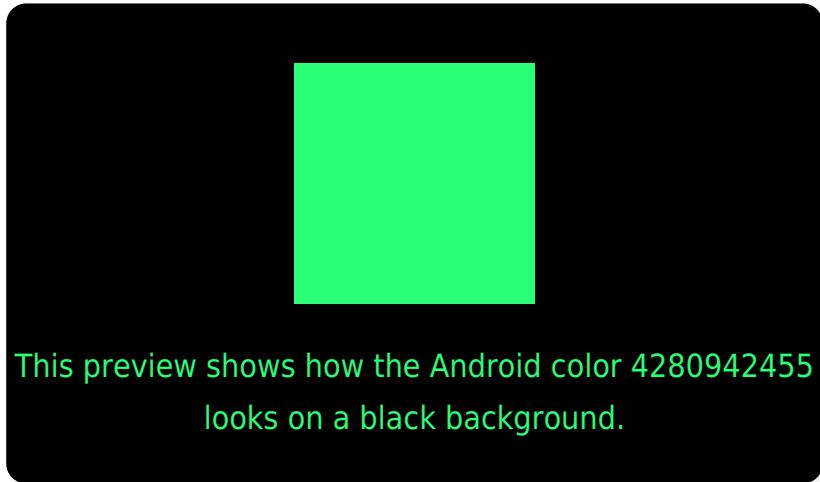
Large Text (above 18pt) WCAG AA × Fail

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 4280942455 Background



This preview shows how black text looks on a background with the Android color 4280942455.

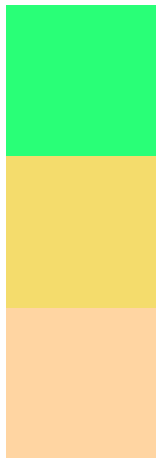


This preview shows how white text looks on a background with the Android color 4280942455.

# 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**  
4280942455

**Protanopia**  
4294237292

**Deuteranopia**  
4294956450



# Trichromacy



**Original Color**

4280942455



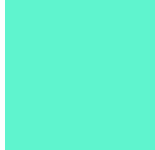
**Protanomaly**

4289390960



**Deuteranomaly**

4289848466



**Tritanomaly**

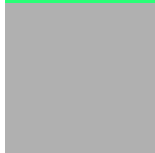
4284478670

# Monochromacy



**Original Color**

4280942455



**Achromatopsia**

4289769648



**Achromatomaly**

4286565787

# CSS Examples

## Text

The CSS property to change the color of the text to Android 4280942455 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(41, 255, 119)` looks like.

```
.text, #text, p{  
    color:rgb(41, 255, 119)  
}
```

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(41, 255, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 255, 119) }
```

## Border

The CSS property to change the border of an element to Android 4280942455 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(41, 255, 119) }
```

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

```
.border{ border-color:rgb(41, 255, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(41, 255, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 255, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 255, 119);  
box-shadow:4px 4px 4px 4px rgb(41, 255,  
119) }
```

# Background

The CSS property to change the background color of an element to Android 4280942455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 255, 119) }
```

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

```
.background{ background-color: rgb(41, 255,  
119) }
```

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