

# Converting Colors

Android(4280416560)

Have a look what the booklet for  
Android(4280416560) contains.

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# **Color**

**Android(4280416560)**

# Conversions

## Conversions Part 1

Format	Color
Hex	21F930
RGB	33, 249, 48
RGB Percent	13%, 98%, 19%
CMY	0.8706, 0.0235, 0.8118
CMYK	0.87, 0.00, 0.81, 0.02
HSL	124°, 95%, 55%
HSV	124°, 87%, 98%
XYZ	35.0364, 68.2881, 14.1306
YIQ	161.5020, -64.2150, -108.3030

# Conversions

## Conversions Part 2

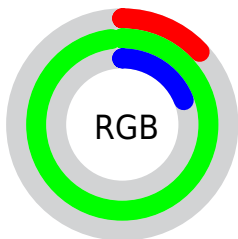
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	33, 235, 249
Decimal	2226480
CIE <sub>Lab</sub>	86.15, -81.80, 74.86
CIE <sub>LCh</sub>	86, 110.883, 137.534
Yxy	68.2881, 0.2983, 0.5814
Android (android.graphics.Color)	4280416560 (0xFF21F930)
YUV	161.5020, -55.9565, -112.6963
Hunter-Lab	82.6366, -68.9334, 47.7072

# Details

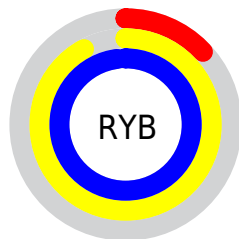
The Android color **4280416560** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **4294517226**, and the grayscale version is **4288848546**.

A 20% lighter version of the original color is **4286381935**, and **4278238976** is the 20% darker color. If you saturate the color by 10%, you get **4278778137**, and if you desaturate by 10%, it is **4282054983**.

# Distribution



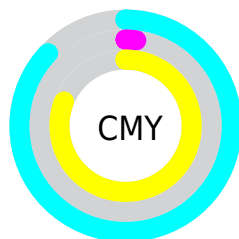
- Red (13%)
- Green (98%)
- Blue (19%)



- Red (13%)
- Yellow (92%)
- Blue (98%)



- Cyan (87%)
- Magenta (0%)
- Yellow (81%)
- Black (2%)



- Cyan (87%)
- Magenta (2%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Android color 4280416560 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 4280416560 by changing the saturation by 10% instead.





4280416560



4280416560

4294967295



4278246400



4286381935



4278238976



4288675724



4278231552



4290838441



4278224640



4292935622



4278217728



4294967268



4278210816



4278204416



4278197760



4278190080

 4280416560

 4280416560

 4278778137

 4282054983

 4278253841

 4283693406

 4285331830

 4286970253

 4288608676

 4290181563

 4291819986

 4293458409

 4294965759

# Harmonies

## Analogous

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



4291421440



4280416560



4278255526

# Triad

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



4280416560



4278252031



4294924447

# Complementary

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



4280416560



4294517226

# 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.



4294925823



4280416560



4282372095

# Square

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



4280416560



4278255615



4294941439



4294938680

# Rectangle

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



4280416560



4278255600



4294941439



4294922178

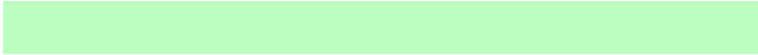


# Sweetspot

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



4280416560



4290641857



4293654817



4283990107



4278190080



4286611584



# Same Dimension

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



4280416560



4278255378



4280416667



4285562225



4278238477



4278205700



# Inverse Universe

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



4294517226



4294901997



4294517119



4286410876



4290576560

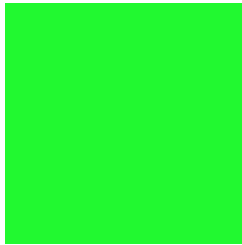


4282187833



# Previews

## White Background



This preview shows how the Android color 4280416560 looks on a white background.

## Color Contrast Check

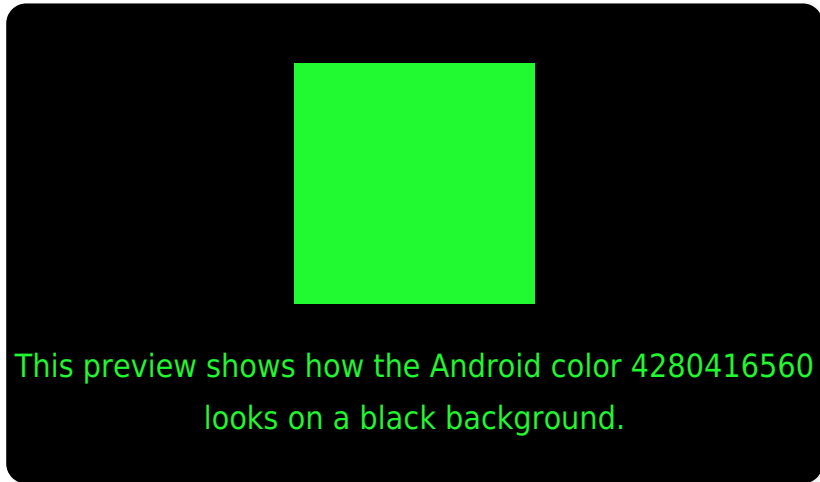
Large Text (above 18pt) WCAG AA × Fail

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 4280416560 Background



This preview shows how black text looks on a background with the Android color 4280416560.

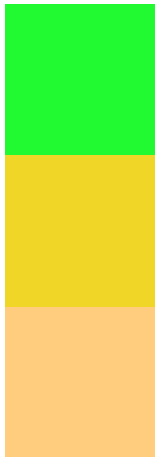


This preview shows how white text looks on a background with the Android color 4280416560.

# 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



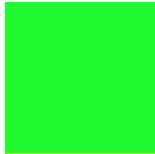
**Original Color**  
4280416560

**Protanopia**  
4293973543

**Deuteranopia**  
4294954365



# Trichromacy



**Original Color**

4280416560



**Protanomaly**

4289061674



**Deuteranomaly**

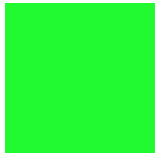
4289650017



**Tritanomaly**

4283494065

# Monochromacy



**Original Color**

4280416560



**Achromatopsia**

4288848546



**Achromatomaly**

4285776505

# CSS Examples

## Text

The CSS property to change the color of the text to Android 4280416560 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(33, 249, 48)` looks like.

```
.text, #text, p{  
    color:rgb(33, 249, 48)  
}
```

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(33, 249, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 249, 48) }
```

## Border

The CSS property to change the border of an element to Android 4280416560 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(33, 249, 48) }
```

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

```
.border{ border-color:rgb(33, 249, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 249, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 249, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 249, 48);  
box-shadow:4px 4px 4px 4px rgb(33, 249,  
48) }
```

# Background

The CSS property to change the background color of an element to Android 4280416560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 249, 48) }
```

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

```
.background{ background-color: rgb(33, 249,  
48) }
```

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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