

# Converting Colors

Android(4281007520)

Have a look what the booklet for  
Android(4281007520) contains.

<b>Android(4281007520)</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(4281007520)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2AFDA0
RGB	42, 253, 160
RGB Percent	16%, 99%, 63%
CMY	0.8353, 0.0078, 0.3725
CMYK	0.83, 0.00, 0.37, 0.01
HSL	154°, 98%, 58%
HSV	154°, 83%, 99%
XYZ	42.4253, 73.2809, 45.1663
YIQ	179.3090, -95.9030, -73.6550

# Conversions

## Conversions Part 2

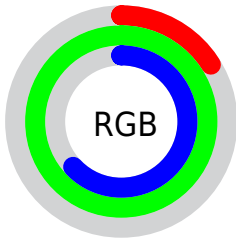
Format	Color
<a href="#">RYB</a>	<a href="#">42, 177, 253</a>
Decimal	<a href="#">2817440</a>
CIELab	<a href="#">88.58, -68.66, 31.15</a>
CIELCh	<a href="#">89, 75.400, 155.595</a>
Yxy	<a href="#">73.2809, 0.2637, 0.4555</a>
Android (android.graphics.Color)	<a href="#">4281007520 (0xFF2AFDA0)</a>
YUV	<a href="#">179.3090, -9.5193, -120.4200</a>
Hunter-Lab	<a href="#">85.6042, -61.3432, 28.6405</a>

# Details

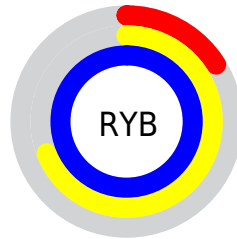
The Android color `4281007520` is a light color, and the websafe version is hex `33FF99`. The color can be described as light washed spring green. A complement of this color would be `4294781575`, and the grayscale version is `4289967027`.

A 20% lighter version of the original color is `4286447575`, and `4278240108` is the 20% darker color. If you saturate the color by 10%, you get `4279369109`, and if you desaturate by 10%, it is `4282645931`.

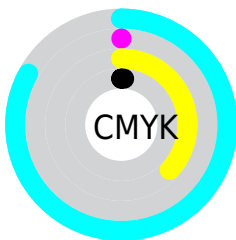
# Distribution



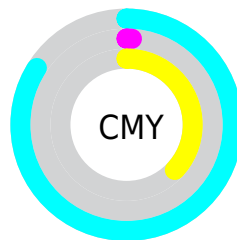
- Red (16%)
- Green (99%)
- Blue (63%)



- Red (16%)
- Yellow (69%)
- Blue (99%)



- Cyan (83%)
- Magenta (0%)
- Yellow (37%)
- Black (1%)



- Cyan (84%)
- Magenta (1%)
- Yellow (37%)


# Brightness & Saturation Gradients

These gradients show how the Android color 4281007520 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 4281007520 by changing the saturation by 10% instead.



 4281007520

 4281007520

4294967295

 4278247557

 4286447575

 4278240108

 4288675828

 4278232915

 4290772991

 4278225722

 4292870143

 4278218787

 4278212106

 4278205696

 4278199296

 4278190080

■ 4281007520

■ 4281007520

■ 4279369109

■ 4282645931

■ 4278254989

■ 4284349878

■ 4285988289

■ 4287626701

■ 4289330648

■ 4290969059

■ 4292607470

■ 4294245881

4294966783

# Harmonies

## Analogous

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



4289589858



4281007520



4278255594

# Triad

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



4281007520



4284408575



4294945423

# Complementary

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



4281007520



4294781575

# 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.



4294941908



4281007520



4294166271

# Square

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



4281007520



4278253311



4294945279



4294952280

# Rectangle

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



4281007520



4278255615



4294945279



4294943652

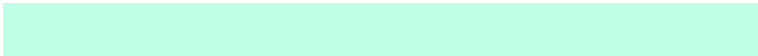


# Sweetspot

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



4281007520



4290772963



4287233322



4284055663



4278190080



4286611584



# Same Dimension

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



4281007520



4278255503



4281004797



4285759610



4278239083



4278206500



# Inverse Universe

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



4294781575



4294901872



4294784298



4286608248



4290707540

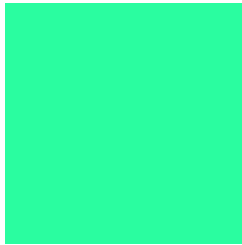


4282384412



# Previews

## White Background



This preview shows how the Android color 4281007520 looks on a white background.

## Color Contrast Check

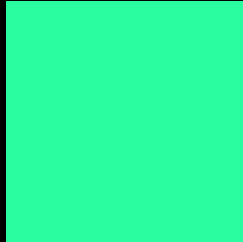
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Android color 4281007520 looks on a 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 4281007520 Background



This preview shows how black text looks on a background with the Android color 4281007520.

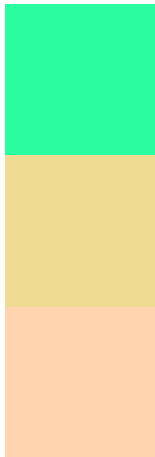


This preview shows how white text looks on a background with the Android color 4281007520.

# 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](#).

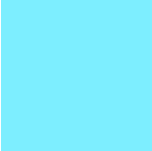
## Dichromacy



**Original Color**  
4281007520

**Protanopia**  
4293909650

**Deuteranopia**  
4294956207



**Tritanopia**  
4286443263

# Trichromacy



**Original Color**

4281007520



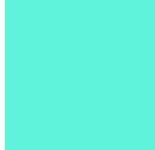
**Protanomaly**

4289194135



**Deuteranomaly**

4289913770



**Tritanomaly**

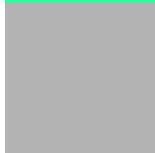
4284478428

# Monochromacy



**Original Color**

4281007520



**Achromatopsia**

4289967027



**Achromatomaly**

4286697132

# CSS Examples

## Text

The CSS property to change the color of the text to Android 4281007520 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(42, 253, 160)` looks like.

```
.text, #text, p{  
    color:rgb(42, 253, 160)  
}
```

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(42, 253, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 253, 160) }
```

## Border

The CSS property to change the border of an element to Android 4281007520 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(42, 253, 160) }
```

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

```
.border{ border-color:rgb(42, 253, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 253, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 253, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 253, 160);  
box-shadow:4px 4px 4px 4px rgb(42, 253,  
160) }
```

# Background

The CSS property to change the background color of an element to Android 4281007520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 253, 160) }
```

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

```
.background{ background-color: rgb(42, 253,  
160) }
```

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