

# Converting Colors

Android(4280873714)

Have a look what the booklet for  
Android(4280873714) contains.

<b>Android(4280873714)</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(4280873714)**

# Conversions

## Conversions Part 1

Format	Color
Hex	28F2F2
RGB	40, 242, 242
RGB Percent	16%, 95%, 95%
CMY	0.8431, 0.0510, 0.0510
CMYK	0.83, 0.00, 0.00, 0.05
HSL	180°, 89%, 55%
HSV	180°, 83%, 95%
XYZ	48.6542, 70.3662, 95.0221
YIQ	181.6020, -120.3920, -42.8240

# Conversions

## Conversions Part 2

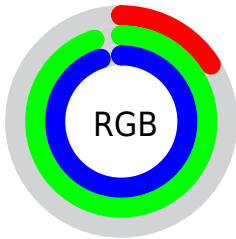
<b>Format</b>	<b>Color</b>
<b>RYB</b>	40, 141, 242
Decimal	2683634
CIELab	87.18, -44.75, -13.24
CIELCh	87, 46.668, 196.476
Yxy	70.3662, 0.2273, 0.3287
Android (android.graphics.Color)	4280873714 (0xFF28F2F2)
YUV	181.6020, 29.7762, -124.1850
Hunter-Lab	83.8846, -43.2655, -8.4429

# Details

The Android color `4280873714` is a light color, and the websafe version is hex `33FFFF`. The color can be described as light washed cyan. A complement of this color would be `4294060072`, and the grayscale version is `4290098613`.

A 20% lighter version of the original color is `4286578687`, and `4278237626` is the 20% darker color. If you saturate the color by 10%, you get `4279300850`, and if you desaturate by 10%, it is `4282446578`.

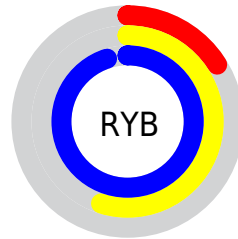
# Distribution



Red (16%)

Green (95%)

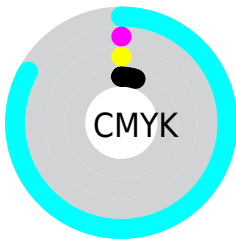
Blue (95%)



Red (16%)

Yellow (55%)

Blue (95%)

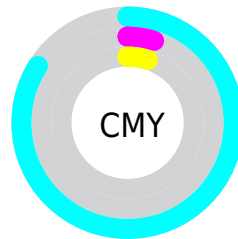


Cyan (83%)

Magenta (0%)

Yellow (0%)

Black (5%)



Cyan (84%)

Magenta (5%)

Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Android color 4280873714 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 4280873714 by changing the saturation by 10% instead.



 4280873714

 4280873714

4294967295

 4278244822

 4286578687

 4278237626

 4288806911

 4278230687

 4290969599

 4278223749

 4293066751

 4278217068

 4278210644

 4278204476

 4278198823

 4278190354

■ 4280873714

■ 4280873714

■ 4279300850

■ 4282446578

■ 4278252274

■ 4284019442

■ 4285657842

■ 4287230706

■ 4288803570

■ 4290376434

■ 4291949298

■ 4293587698

■ 4294963954

# Harmonies

## Analogous

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



4285788612



4280873714



4279234303

# Triad

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



4280873714



4294887167



4294955396

# Complementary

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



4280873714



4294060072

# 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.



4294951580



4280873714



4294949616

# Square

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



4280873714



4290893567



4294949059



4292861828

# Rectangle

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



4280873714



4283951359



4294949059



4294954122



# Sweetspot

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



4280873714



4290772991



4280873512



4284055680



4278190080



4286611584



# Same Dimension

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



4280873714



4278255615



4280847858



4285298808



4278237368



4278204472



# Inverse Universe

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



4294060274



4294902015



4294085928



4286082168



4290248888

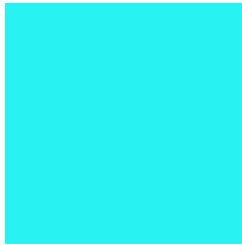


4281860152



# Previews

## White Background



This preview shows how the Android color 4280873714 looks on a white background.

## Color Contrast Check

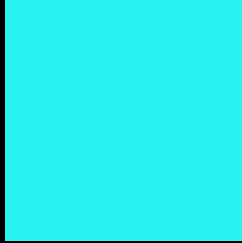
Large Text (above 18pt) WCAG AA × Fail

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 4280873714 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 4280873714 Background



This preview shows how black text looks on a background with the Android color 4280873714.

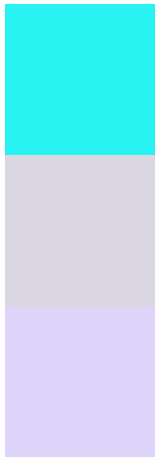


This preview shows how white text looks on a background with the Android color 4280873714.

# 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](#).

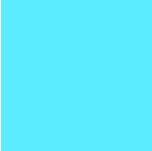
## Dichromacy



**Original Color**  
4280873714

**Protanopia**  
4292532194

**Deuteranopia**  
4292793337



**Tritanopia**  
4284214783

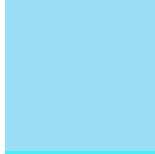
# Trichromacy



**Original Color**  
4280873714



**Protanomaly**  
4288274920

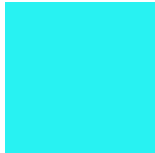


**Deuteranomaly**  
4288470774

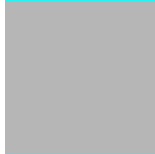


**Tritanomaly**  
4282970106

# Monochromacy



**Original Color**  
4280873714



**Achromatopsia**  
4290164406



**Achromatomaly**  
4286762188

# CSS Examples

## Text

The CSS property to change the color of the text to Android 4280873714 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(40, 242, 242)` looks like.

```
.text, #text, p{  
    color:rgb(40, 242, 242)  
}
```

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(40, 242, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(40, 242, 242) }
```

## Border

The CSS property to change the border of an element to Android 4280873714 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(40, 242, 242) }
```

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

```
.border{ border-color:rgb(40, 242, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(40, 242, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(40, 242, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(40, 242, 242);  
box-shadow:4px 4px 4px 4px rgb(40, 242,  
242) }
```

# Background

The CSS property to change the background color of an element to Android 4280873714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(40, 242, 242) }
```

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

```
.background{ background-color: rgb(40, 242,  
242) }
```

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