

# Converting Colors

Android(4278233000)

Have a look what the booklet for  
Android(4278233000) contains.

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**Color**

**Android(4278233000)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00A7A8
RGB	0, 167, 168
RGB Percent	0%, 65%, 66%
CMY	1.0000, 0.3451, 0.3412
CMYK	1.00, 0.01, 0.00, 0.34
HSL	180°, 100%, 33%
HSV	180°, 100%, 66%
XYZ	20.8866, 30.4646, 41.8252
YIQ	117.1810, -99.8530, -35.0930

# Conversions

## Conversions Part 2

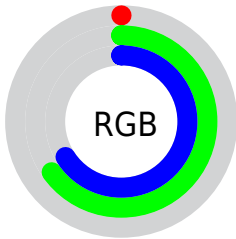
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 84, 168
Decimal	42920
CIELab	62.05, -34.71, -10.81
CIELCh	62, 36.354, 197.302
Yxy	30.4646, 0.2242, 0.3270
Android (android.graphics.Color)	4278233000 (0xFF00A7A8)
YUV	117.1810, 25.0538, -102.7677
Hunter-Lab	55.1947, -29.0434, -6.2922

# Details

The Android color `4278233000` is a dark color, and the websafe version is hex `009999`. A complement of this color would be `4289200384`, and the grayscale version is `4285887861`.

A 20% lighter version of the original color is `4284473311`, and `4278219380` is the 20% darker color. If you saturate the color by 10%, you get `4278233000`, and if you desaturate by 10%, it is `4279347112`.

# Distribution



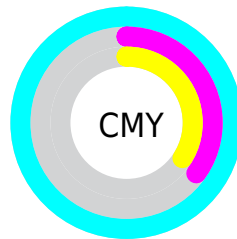
- Red (0%)
- Green (65%)
- Blue (66%)



- Red (0%)
- Yellow (33%)
- Blue (66%)



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (34%)



- Cyan (100%)
- Magenta (35%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Android color 4278233000 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 4278233000 by changing the saturation by 10% instead.



 4278233000

 4278233000

4294967295

 4278226062

 4284473311

 4278219380

 4286577916

 4278212956

 4288544767

 4278206788

 4290510847

 4278200878

 4292542463

 4278193946


 4294508543

 4278190080

 4278233000

 4279347112

 4280461224

 4281509800

 4282623912

 4283738024

 4284852392

 4285966504

 4287015080

 4288129192

# Harmonies

## Analogous

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



4283016839



4278233000



4278232260

# Triad

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



4278233000



4289824706



4290219863

# Complementary

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



4278233000



4289200384

# 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.



4291593320



4278233000



4291591845

# Square

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



4278233000



4286944211



4292181380



4288191063

# Rectangle

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



4278233000



4281704657



4292181380



4290743131



# Sweetspot

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



4278233000



4288338907



4278233088



4282805614



4293783021



4285427310

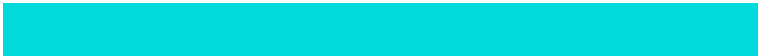


# Same Dimension

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



4278233000



4278246107



4278211752



4283192404



4278227860



4278195220



# Inverse Universe

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



4289200295



4292542682



4289221632



4283714644



4287889555



4279500820



# Previews

## White Background



This preview shows how the Android color 4278233000 looks on a white background.

## Color Contrast Check

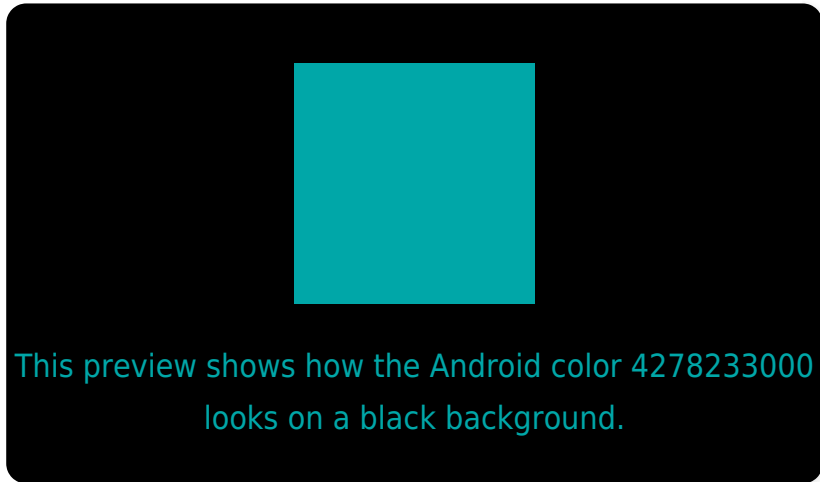
Large Text (above 18pt) WCAG AA × Fail

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 4278233000 Background



This preview shows how black text looks on a background with the Android color 4278233000.

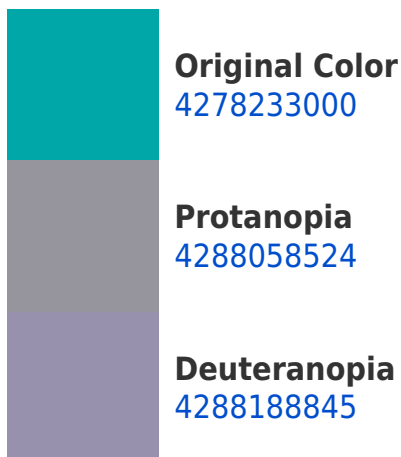


This preview shows how white text looks on a background with the Android color 4278233000.

# 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





# Trichromacy



**Original Color**

4278233000



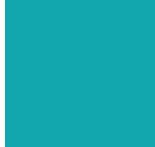
**Protanomaly**

4284455840



**Deuteranomaly**

4284586411



**Tritanomaly**

4279412399

# Monochromacy



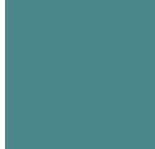
**Original Color**

4278233000



**Achromatopsia**

4285887861



**Achromatomaly**

4283074440

# CSS Examples

## Text

The CSS property to change the color of the text to Android 4278233000 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(0, 167, 168)` looks like.

```
.text, #text, p{  
    color:rgb(0, 167, 168)  
}
```

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(0, 167, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 167, 168) }
```

## Border

The CSS property to change the border of an element to Android 4278233000 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(0, 167, 168) }
```

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

```
.border{ border-color:rgb(0, 167, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 167, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 167, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 167, 168);  
box-shadow:4px 4px 4px 4px rgb(0, 167,  
168) }
```

# Background

The CSS property to change the background color of an element to Android 4278233000 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 167, 168) }
```

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

```
.background{ background-color: rgb(0, 167,  
168) }
```

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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