

# Converting Colors

Android(4278989103)

Have a look what the booklet for  
Android(4278989103) contains.

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# Color

**Android(4278989103)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0C312F
RGB	12, 49, 47
RGB Percent	5%, 19%, 18%
CMY	0.9529, 0.8078, 0.8157
CMYK	0.76, 0.00, 0.04, 0.81
HSL	177°, 61%, 12%
HSV	177°, 76%, 19%
XYZ	1.7630, 2.4800, 3.0751
YIQ	37.7090, -21.4100, -8.4660

# Conversions

## Conversions Part 2

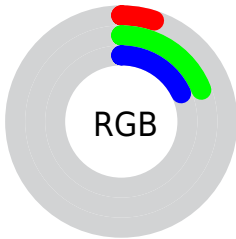
<b>Format</b>	<b>Color</b>
<b>RYB</b>	12, 31, 49
Decimal	799023
CIELab	17.83, -13.45, -2.58
CIELCh	18, 13.700, 190.864
Yxy	2.4800, 0.2409, 0.3389
Android (android.graphics.Color)	4278989103 (0xFF0C312F)
YUV	37.7090, 4.5805, -22.5468
Hunter-Lab	15.7481, -7.5758, -0.5538

# Details

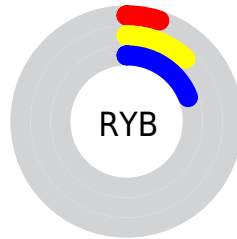
The Android color **4278989103** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **4281404430**, and the grayscale version is **4280690214**.

A 20% lighter version of the original color is **4282146653**, and **4278190080** is the 20% darker color. If you saturate the color by 10%, you get **4278661423**, and if you desaturate by 10%, it is **4279316783**.

# Distribution



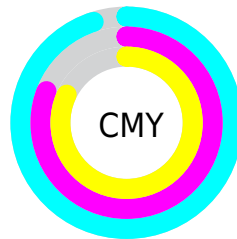
- Red (5%)
- Green (19%)
- Blue (18%)



- Red (5%)
- Yellow (12%)
- Blue (19%)



- Cyan (76%)
- Magenta (0%)
- Yellow (4%)
- Black (81%)



- Cyan (95%)
- Magenta (81%)
- Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the Android color 4278989103 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 4278989103 by changing the saturation by 10% instead.



 4278989103

 4278989103

 4294311935

 4278197274

 4282146653

 4278190080

 4283725941

 4285371023

 4287081897

 4288792773

 4290634977

 4292476925

 4278989103

 4278989103

■ 4278661423

■ 4279316783

■ 4278333742

■ 4279644464

■ 4278202670

■ 4279972144

■ 4280299824

■ 4280627504

■ 4280889649

■ 4281217329

■ 4281545009

■ 4281872689

# Harmonies

## Analogous

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



4279775269



4278989103



4278726712

# Triad

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



4278989103



4281411643



4281870617

# Complementary

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



4278989103



4281404430

# 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.



4282263071



4278989103



4282066226

# Square

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



4278989103



4280560447



4282328104



4281281560

# Rectangle

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



4278989103



4279185213



4282328104



4282001435



# Sweetspot

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



4278989103



4281417791



4279120140



4279771425



4288782753



4280361249



# Same Dimension

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



4278989103



4278599741



4278985009



4279704089



4278212948



4278245837



# Inverse Universe

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



4281404430



4282385929



4281408524



4279899927



4284022789

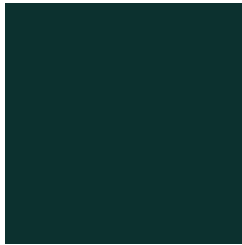


4292411404



# Previews

## White Background



This preview shows how the Android color 4278989103 looks on a white background.

## Color Contrast Check

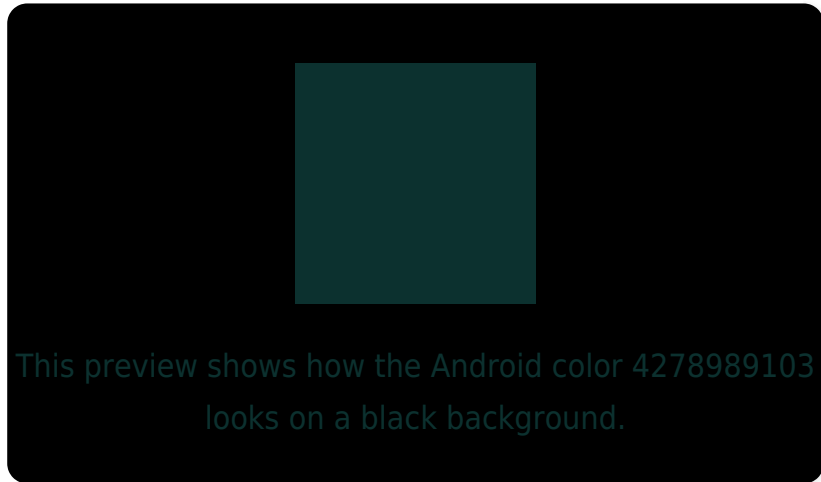
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

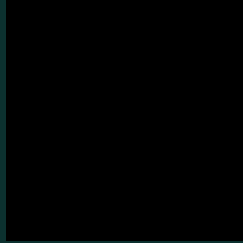
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



# Android 4278989103 Background



This preview shows how black text looks on a background with the Android color 4278989103.



This preview shows how white text looks on a background with the Android color 4278989103.

# 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**

4278989103

**Protanopia**

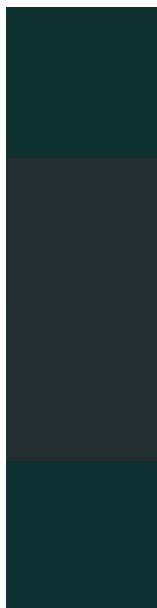
4281150508

**Deuteranopia**

4281215792



# Trichromacy



**Original Color**

4278989103

**Protanomaly**

4280364589

**Deuteranomaly**

4280429872

**Tritanomaly**

4279119922

# Monochromacy



**Original Color**

4278989103

**Achromatopsia**

4280690214

**Achromatomaly**

4280101417

# CSS Examples

## Text

The CSS property to change the color of the text to Android 4278989103 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(12, 49, 47)` looks like.

```
.text, #text, p{  
    color:rgb(12, 49, 47)  
}
```

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(12, 49, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 49, 47) }
```

## Border

The CSS property to change the border of an element to Android 4278989103 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(12, 49, 47) }
```

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

```
.border{ border-color:rgb(12, 49, 47) }
```

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

Here you see how a box with a 4 pixel rgb(12, 49, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 49, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 49, 47);  
box-shadow:4px 4px 4px 4px rgb(12, 49, 47)  
}
```

# Background

The CSS property to change the background color of an element to Android 4278989103 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 49, 47) }
```

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

```
.background{ background-color: rgb(12, 49,  
47) }
```

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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