

# Converting Colors

Android(4278196017)

Have a look what the booklet for  
Android(4278196017) contains.

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# **Color**

**Android(4278196017)**

# Conversions

## Conversions Part 1

Format	Color
Hex	001731
RGB	0, 23, 49
RGB Percent	0%, 9%, 19%
CMY	1.0000, 0.9098, 0.8078
CMYK	1.00, 0.53, 0.00, 0.81
HSL	212°, 100%, 10%
HSV	212°, 100%, 19%
XYZ	0.8608, 0.8345, 3.0214
YIQ	19.0870, -22.0540, 3.2100

# Conversions

## Conversions Part 2

Format	Color
<a href="#">RYB</a>	<a href="#">0, 16, 49</a>
Decimal	<a href="#">5937</a>
CIELab	<a href="#">7.54, 2.76, -19.97</a>
CIELCh	<a href="#">8, 20.157, 277.876</a>
Yxy	<a href="#">0.8345, 0.1825, 0.1769</a>
Android (android.graphics.Color)	<a href="#">4278196017 (0xFF001731)</a>
YUV	<a href="#">19.0870, 14.7471, -16.7393</a>
Hunter-Lab	<a href="#">9.1353, 0.8323, -13.2150</a>

# Details

The Android color **4278196017** is a dark color, and the websafe version is hex **000033**. A complement of this color would be **4281408000**, and the grayscale version is **4279440147**.

A 20% lighter version of the original color is **4281418079**, and **4278190080** is the 20% darker color. If you saturate the color by 10%, you get **4278196017**, and if you desaturate by 10%, it is **4278524465**.

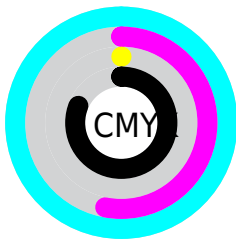
# Distribution



- Red (0%)
- Green (9%)
- Blue (19%)



- Red (0%)
- Yellow (6%)
- Blue (19%)



- Cyan (100%)
- Magenta (53%)
- Yellow (0%)
- Black (81%)



- Cyan (100%)
- Magenta (91%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Android color 4278196017 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 4278196017 by changing the saturation by 10% instead.



 4278196017

 4278196017

 4293523711

 4278190620

 4281418079

 4278190080


 4282996856

 4284641682

 4286286509

 4288062664

 4289839332

 4291681279

 4278196017

■ 4278524465

■ 4278852657

■ 4279181105

■ 4279509297

■ 4279837745

■ 4280100657

■ 4280428849

■ 4280757297

■ 4281085489

# Harmonies

## Analogous

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



4278197039



4278196017



4279963948

# Triad

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



4278196017



4281207808



4278197512

# Complementary

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



4278196017



4281408000

# 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.



4278852352



4278196017



4280685056

# Square

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



4278196017



4281207059



4279965440



4278197786

# Rectangle

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



4278196017



4280683813



4279965440



4278197505



# Sweetspot

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



4278196017



4281153088



4278202649



4279573281



4288782753



4280361249



# Same Dimension

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



4278196017



4278197824



4278255665



4279703578



4278200921



4278216409



# Inverse Universe

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



4281401367



4282384414



4281348352



4279899928



4284022826



4292411494



# Previews

## White Background



This preview shows how the Android color 4278196017 looks on a white background.

## Color Contrast Check

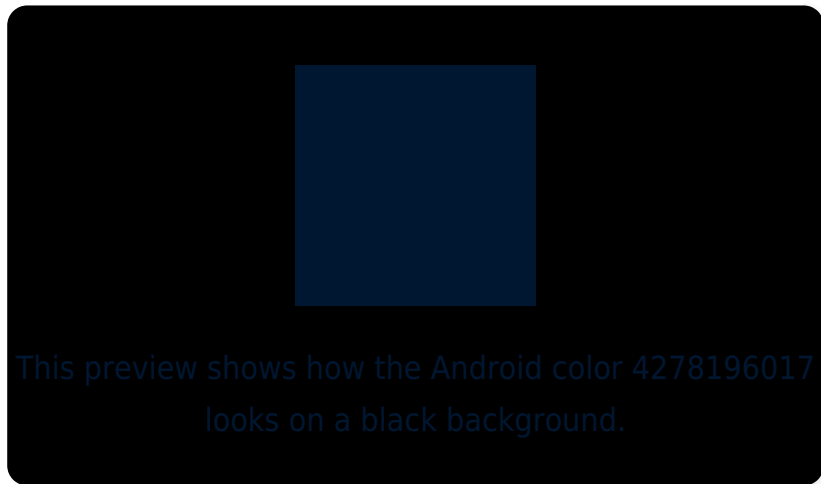
Large Text (above 18pt) WCAG AA ✓ Pass

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

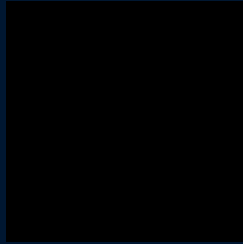
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



# Android 4278196017 Background



This preview shows how black text looks on a background with the Android color 4278196017.



This preview shows how white text looks on a background with the Android color 4278196017.

# 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**  
4278196017

**Protanopia**  
4278261553

**Deuteranopia**  
4278196266



# Trichromacy



**Original Color**

4278196017

**Protanomaly**

4278261553

**Deuteranomaly**

4278196269

**Tritanomaly**

4278196772

# Monochromacy



**Original Color**

4278196017

**Achromatopsia**

4279440147

**Achromatomaly**

4278981662

# CSS Examples

## Text

The CSS property to change the color of the text to Android 4278196017 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, 23, 49)` looks like.

```
.text, #text, p{  
    color:rgb(0, 23, 49)  
}
```

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, 23, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 23, 49) }
```

## Border

The CSS property to change the border of an element to Android 4278196017 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, 23, 49) }
```

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

```
.border{ border-color:rgb(0, 23, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 23, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 23, 49); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 23, 49); box-shadow:4px  
4px 4px 4px rgb(0, 23, 49) }
```

# Background

The CSS property to change the background color of an element to Android 4278196017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 23, 49) }
```

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

```
.background{ background-color: rgb(0, 23,  
49) }
```

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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