

# Converting Colors

Android(4278212720)

Have a look what the booklet for  
Android(4278212720) contains.

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# Color

**Android(4278212720)**

# Conversions

## Conversions Part 1

Format	Color
Hex	005870
RGB	0, 88, 112
RGB Percent	0%, 35%, 44%
CMY	1.0000, 0.6549, 0.5608
CMYK	1.00, 0.21, 0.00, 0.56
HSL	193°, 100%, 22%
HSV	193°, 100%, 44%
XYZ	6.4144, 8.1493, 16.5641
YIQ	64.4240, -60.1520, -11.1920

# Conversions

## Conversions Part 2

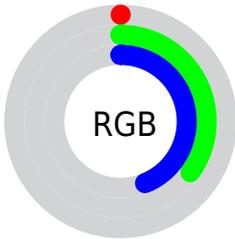
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 49, 112
Decimal	22640
CIELab	34.29, -13.21, -20.06
CIELCh	34, 24.014, 236.632
Yxy	8.1493, 0.2061, 0.2618
Android (android.graphics.Color)	4278212720 (0xFF005870)
YUV	64.4240, 23.4550, -56.4998
Hunter-Lab	28.5470, -9.8492, -14.4196

# Details

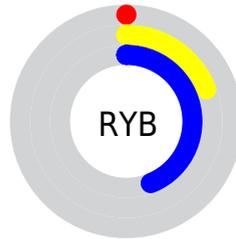
The Android color `4278212720` is a dark color, and the websafe version is hex `336666`. A complement of this color would be `4285536256`, and the grayscale version is `4282400832`.

A 20% lighter version of the original color is `4283009700`, and `4278200896` is the 20% darker color. If you saturate the color by 10%, you get `4278212720`, and if you desaturate by 10%, it is `4278934128`.

# Distribution



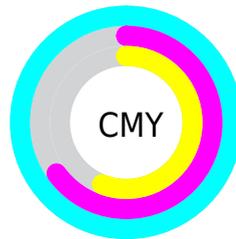
- Red (0%)
- Green (35%)
- Blue (44%)



- Red (0%)
- Yellow (19%)
- Blue (44%)



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (56%)



- Cyan (100%)
- Magenta (65%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Android color 4278212720 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 4278212720 by changing the saturation by 10% instead.

 4278212720

 4278212720

4294967295

 4278206807

 4283009700

 4278200896

 4284851391

 4278196010

 4286627803

 4278190357

 4288470007

 4278190080

 4290312447

 4292214783

 4294115327

 4278212720

■ 4278934128

■ 4279655792

■ 4280442736

■ 4281164400

■ 4281885808

■ 4282607216

■ 4283328880

■ 4284115824

■ 4284837488

# Harmonies

## Analogous

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



4278213217



4278212720



4281291638

# Triad

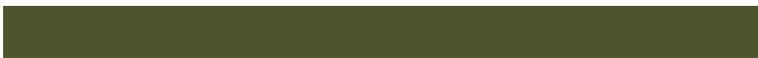
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



4278212720



4285743700



4283192622

# Complementary

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



4278212720



4285536256

# 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.



4284436266



4278212720



4285875009

# Square

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



4278212720



4284958310



4285351985



4281686331

# Rectangle

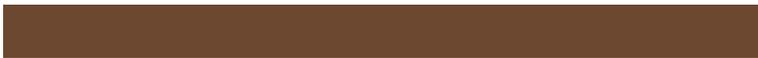
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



4278212720



4282797941



4285351985



4283585323

# Sweetspot

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



4278212720



4284909713



4278218774



4281287754



4291414473



4283058762



# Same Dimension

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



4278212720



4278219409



4278198896



4281481016



4278214264



4278239991



# Inverse Universe

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



4285530200



4287692914



4285550080



4281872951



4286054494



4294377666



# Previews

## White Background



This preview shows how the Android color 4278212720 looks on a white background.

## Color Contrast Check

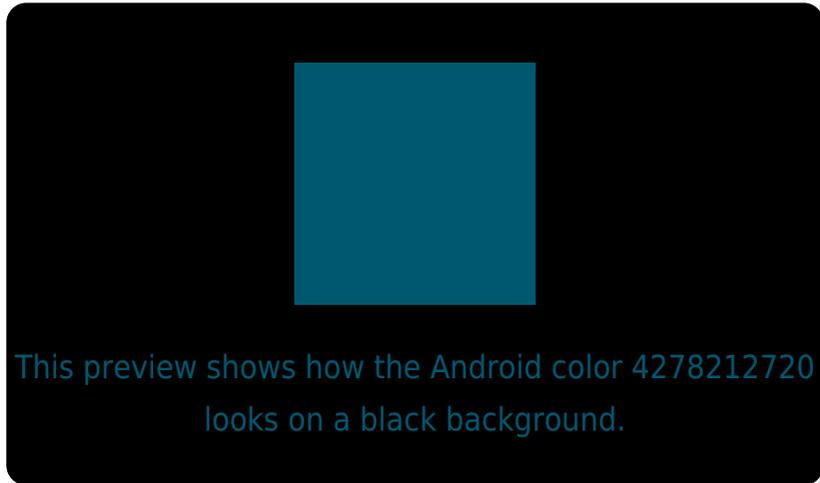
Large Text (above 18pt) WCAG AA ✓ Pass

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

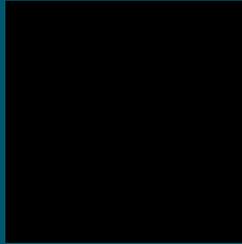
Any Text WCAG AA × Fail

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 4278212720 Background



This preview shows how black text looks on a background with the Android color 4278212720.



This preview shows how white text looks on a background with the Android color 4278212720.

# 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**

4278212720

**Protanopia**

4283060330

**Deuteranopia**

4282732658



# Trichromacy



**Original Color**  
4278212720

**Protanomaly**  
4281291628

**Deuteranomaly**  
4281095025

**Tritanomaly**  
4278212966

# Monochromacy



**Original Color**  
4278212720

**Achromatopsia**  
4282400832

**Achromatomaly**  
4280895825

# CSS Examples

## Text

The CSS property to change the color of the text to Android 4278212720 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, 88, 112)` looks like.

```
.text, #text, p{  
    color:rgb(0, 88, 112)  
}
```

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, 88, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 88, 112) }
```

## Border

The CSS property to change the border of an element to Android 4278212720 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, 88, 112) }
```

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

```
.border{ border-color:rgb(0, 88, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 88, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 88, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 88, 112);  
box-shadow:4px 4px 4px 4px rgb(0, 88, 112)  
}
```

# Background

The CSS property to change the background color of an element to Android 4278212720 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 88, 112) }
```

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

```
.background{ background-color: rgb(0, 88,  
112) }
```

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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