

# Converting Colors

Android(4278224460)

Have a look what the booklet for  
Android(4278224460) contains.

<b>Android(4278224460)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Android(4278224460)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	00864C
RGB	0, 134, 76
RGB Percent	0%, 53%, 30%
CMY	1.0000, 0.4745, 0.7020
CMYK	1.00, 0.00, 0.43, 0.47
HSL	154°, 100%, 26%
HSV	154°, 100%, 53%
XYZ	9.8296, 17.5720, 9.7111
YIQ	87.3220, -61.2460, -46.4460

# Conversions

## Conversions Part 2

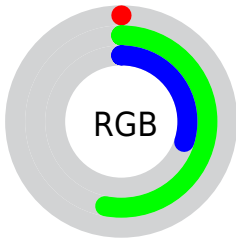
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 86, 134
Decimal	34380
CIELab	48.97, -45.36, 22.66
CIELCh	49, 50.708, 153.451
Yxy	17.5720, 0.2649, 0.4735
Android (android.graphics.Color)	4278224460 (0xFF00864C)
YUV	87.3220, -5.5817, -76.5814
Hunter-Lab	41.9190, -31.5016, 15.6079

# Details

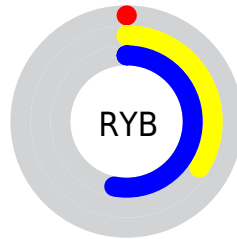
The Android color `4278224460` is a dark color, and the websafe version is hex `009966`. A complement of this color would be `4286971962`, and the grayscale version is `4283914071`.

A 20% lighter version of the original color is `4283481214`, and `4278211358` is the 20% darker color. If you saturate the color by 10%, you get `4278224460`, and if you desaturate by 10%, it is `4279076434`.

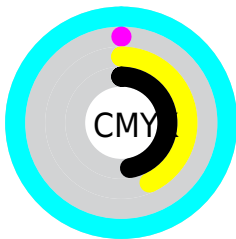
# Distribution



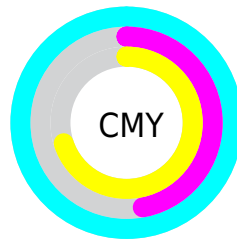
- Red (0%)
- Green (53%)
- Blue (30%)



- Red (0%)
- Yellow (34%)
- Blue (53%)



- Cyan (100%)
- Magenta (0%)
- Yellow (43%)
- Black (47%)



- Cyan (100%)
- Magenta (47%)
- Yellow (70%)

# Brightness & Saturation Gradients

These gradients show how the Android color 4278224460 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 4278224460 by changing the saturation by 10% instead.



 4278224460

 4278224460

4294967295

 4278217781

 4283481214

 4278211358

 4285388952


 4278205192

 4287296947

 4278199552

 4289200078

 4278190080

 4291100651


 4293001215

 4278224460

 4279076434

 4279993944

 4280845917

 4281763427

 4282615401

 4283467375

 4284384885

 4285236858

 4286154368

# Harmonies

## Analogous

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



4284120870



4278224460



4278225272

# Triad

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



4278224460



4278221002



4290663239

# Complementary

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



4278224460



4286971962

# 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.



4290857841



4278224460



4286343100

# Square

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



4278224460



4278223809



4289483932



4289225765

# Rectangle

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



4278224460



4278225301



4289483932



4290858837



# Sweetspot

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



4278224460



4286164375



4282025472



4281816905



4292269782



4283914071



# Same Dimension

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



4278224460



4278234466



4278222214



4282139199



4278223434



4278190849



# Inverse Universe

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



4286971962



4289527883



4286974208



4282530879



4286709816



4278386689



# Previews

## White Background



This preview shows how the Android color 4278224460 looks on a white background.

## Color Contrast Check

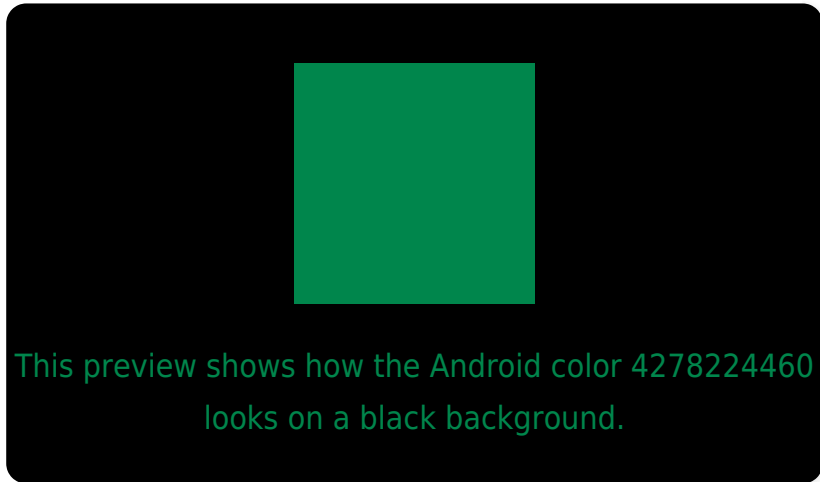
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × 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 × Fail

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



# Android 4278224460 Background



This preview shows how black text looks on a background with the Android color 4278224460.



This preview shows how white text looks on a background with the Android color 4278224460.

# 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**

4278224460

**Protanopia**

4286542917

**Deuteranopia**

4287262545



# Trichromacy



**Original Color**

4278224460



**Protanomaly**

4283530056



**Deuteranomaly**

4283987791



**Tritanomaly**

4280320627

# Monochromacy



**Original Color**

4278224460



**Achromatopsia**

4283914071



**Achromatomaly**

4281821267

# CSS Examples

## Text

The CSS property to change the color of the text to Android 4278224460 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, 134, 76)` looks like.

```
.text, #text, p{  
    color:rgb(0, 134, 76)  
}
```

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, 134, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 134, 76) }
```

## Border

The CSS property to change the border of an element to Android 4278224460 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, 134, 76) }
```

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

```
.border{ border-color:rgb(0, 134, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 134, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 134, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 134, 76);  
box-shadow:4px 4px 4px 4px rgb(0, 134, 76)  
}
```

# Background

The CSS property to change the background color of an element to Android 4278224460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 134, 76) }
```

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

```
.background{ background-color: rgb(0, 134,  
76) }
```

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**