

# Converting Colors

Android(4278234953)

Have a look what the booklet for  
Android(4278234953) contains.

|  |    |
|--|----|
| <b>Android(4278234953)</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(4278234953)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 00AF49                       |
| RGB         | 0, 175, 73                   |
| RGB Percent | 0%, 69%, 29%                 |
| CMY         | 1.0000, 0.3137, 0.7137       |
| CMYK        | 1.00, 0.00, 0.58, 0.31       |
| HSL         | 145°, 100%, 34%              |
| HSV         | 145°, 100%, 69%              |
| XYZ         | 16.5326, 31.1410, 11.4428    |
| YIQ         | 111.0470, -71.5580, -68.8220 |

# Conversions

## Conversions Part 2

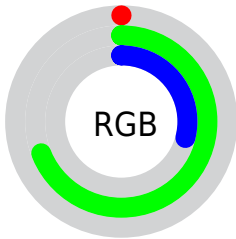
| <b>Format</b>                       | <b>Color</b>                    |
|-------------------------------------|---------------------------------|
| <b>RYB</b>                          | 0, 123, 175                     |
| Decimal                             | 44873                           |
| CIELab                              | 62.63, -59.80, 41.18            |
| CIELCh                              | 63, 72.608, 145.447             |
| Yxy                                 | 31.1410, 0.2797,<br>0.5268      |
| Android<br>(android.graphics.Color) | 4278234953<br>(0xFF00AF49)      |
| YUV                                 | 111.0470, -18.7572,<br>-97.3882 |
| Hunter-Lab                          | 55.8041, -44.7746,<br>26.9053   |

# Details

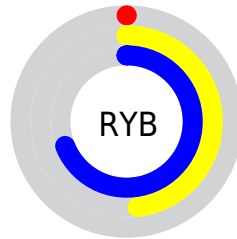
The Android color `4278234953` is a dark color, and the websafe version is hex `009933`. A complement of this color would be `4289658982`, and the grayscale version is `4285493103`.

A 20% lighter version of the original color is `4284409980`, and `4278221077` is the 20% darker color. If you saturate the color by 10%, you get `4278234953`, and if you desaturate by 10%, it is `4279349075`.

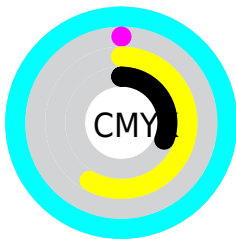
# Distribution



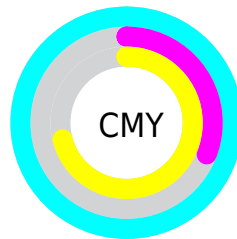
- Red (0%)
- Green (69%)
- Blue (29%)



- Red (0%)
- Yellow (48%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (58%)
- Black (31%)



- Cyan (100%)
- Magenta (31%)
- Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the Android color 4278234953 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 4278234953 by changing the saturation by 10% instead.



 4278234953

 4278234953

4294967295

 4278228016

 4284409980

 4278221077

 4286447511

 4278214400

 4288413618

 4278207744

 4290379726

 4278202112

 4292345835

 4278194432


 4294377471

 4278190080

 4278234953

 4279349075

 4280528733

 4281708392

 4282822514

 4284002172

 4285116294

 4286230416

 4287410075

 4288589733

# Harmonies

## Analogous

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



4286620672



4278234953



4278236299

# Triad

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



4278234953



4278231807



4294924900

# Complementary

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



4278234953



4289658982

# 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.



4294923172



4278234953



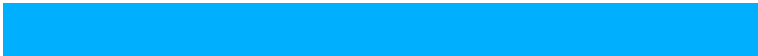
4286680063

# Square

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



4278234953



4278235391



4292570082



4293752361

# Rectangle

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



4278234953



4278236600



4292570082



4294923385



# Sweetspot

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



4278234953



4288668603



4284919552



4283003739



4294111986



4285756275



# Same Dimension

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



4278234953



4278248287



4278235040



4283324242



4278228543



4278195978



# Inverse Universe

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



4289658982



4293066884



4289658895



4283911763



4288020568



4279697421



# Previews

## White Background



This preview shows how the Android color 4278234953 looks on a white background.

## Color Contrast Check

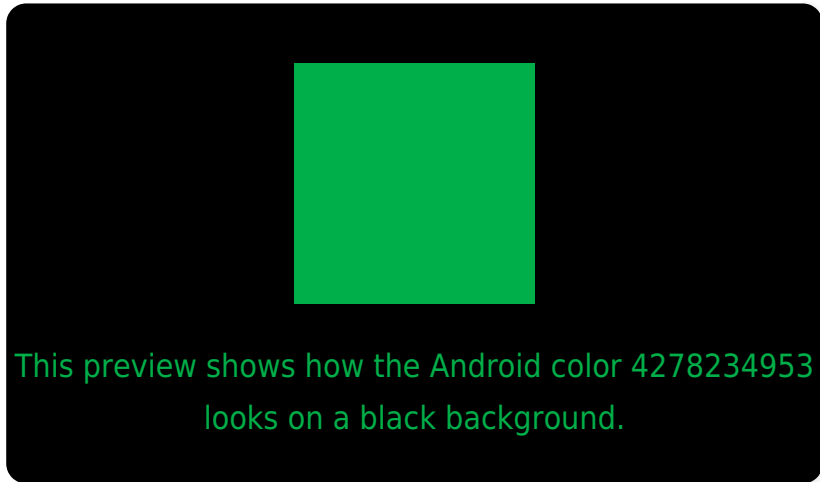
Large Text (above 18pt) WCAG AA × Fail

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 4278234953 Background



This preview shows how black text looks on a background with the Android color 4278234953.



This preview shows how white text looks on a background with the Android color 4278234953.

# 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**

4278234953



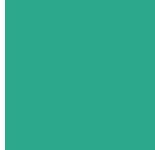
**Protanomaly**

4285177924



**Deuteranomaly**

4285897551



**Tritanomaly**

4281116812

# Monochromacy



**Original Color**

4278234953



**Achromatopsia**

4285493103



**Achromatomaly**

4282877537

# CSS Examples

## Text

The CSS property to change the color of the text to Android 4278234953 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, 175, 73)` looks like.

```
.text, #text, p{  
    color:rgb(0, 175, 73)  
}
```

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, 175, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 175, 73) }
```

## Border

The CSS property to change the border of an element to Android 4278234953 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, 175, 73) }
```

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

```
.border{ border-color:rgb(0, 175, 73) }
```

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

Here you see how a box with a 4 pixel rgb(0, 175, 73) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 175, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 175, 73);  
box-shadow:4px 4px 4px 4px rgb(0, 175, 73)  
}
```

# Background

The CSS property to change the background color of an element to Android 4278234953 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 175, 73) }
```

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

```
.background{ background-color: rgb(0, 175,  
73) }
```

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