

# Converting Colors

Android(4280584006)

Have a look what the booklet for  
Android(4280584006) contains.

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# Color

**Android(4280584006)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	248746
RGB	36, 135, 70
RGB Percent	14%, 53%, 27%
CMY	0.8588, 0.4706, 0.7255
CMYK	0.73, 0.00, 0.48, 0.47
HSL	141°, 58%, 34%
HSV	141°, 73%, 53%
XYZ	10.4970, 18.1452, 8.7435
YIQ	97.9890, -38.1390, -41.2030

# Conversions

## Conversions Part 2

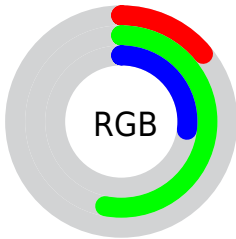
<b>Format</b>	<b>Color</b>
<b>RYB</b>	36, 110, 135
Decimal	2393926
CIELab	49.67, -43.18, 26.94
CIElCh	50, 50.894, 148.037
Yxy	18.1452, 0.2808, 0.4854
Android (android.graphics.Color)	4280584006 (0xFF248746)
YUV	97.9890, -13.7986, -54.3644
Hunter-Lab	42.5972, -30.5582, 17.6482

# Details

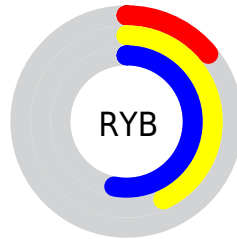
The Android color `4280584006` is a dark color, and the websafe version is hex `339966`. A complement of this color would be `4287046757`, and the grayscale version is `4284637794`.

A 20% lighter version of the original color is `4284464503`, and `4278211608` is the 20% darker color. If you saturate the color by 10%, you get `4279666493`, and if you desaturate by 10%, it is `4281435983`.

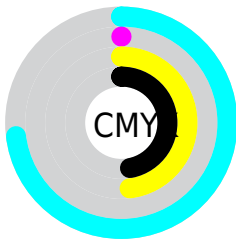
# Distribution



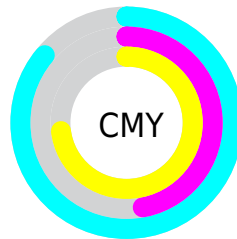
- Red (14%)
- Green (53%)
- Blue (27%)



- Red (14%)
- Yellow (43%)
- Blue (53%)



- Cyan (73%)
- Magenta (0%)
- Yellow (48%)
- Black (47%)



- Cyan (86%)
- Magenta (47%)
- Yellow (73%)
- Black (0%)

# Brightness & Saturation Gradients

These gradients show how the Android color 4280584006 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 4280584006 by changing the saturation by 10% instead.



 4280584006

 4280584006

4294967295

 4278218031

 4284464503

 4278211608

 4286306705


 4278205440

 4288149164

 4278200064

 4290052040

 4278190080

 4291952612

 4293853183

 4280584006

 4280584006

 4279666493

 4281435983

■ 4278814516

■ 4282353496

■ 4278224686

■ 4283271009

■ 4284122985

■ 4285040498

■ 4285892475

■ 4286809988

■ 4287661965

■ 4288513942

# Harmonies

## Analogous

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



4284776226



4280584006



4278225522

# Triad

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



4280584006



4278222029



4290925136

# Complementary

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



4280584006



4287046757

# 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.



4290858363



4280584006



4285623491

# Square

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



4280584006



4278224575



4289223077



4289749548

# Rectangle

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



4280584006



4278225808



4289223077



4291120990



# Sweetspot

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



4280584006



4287213719



4284909348



4282538314



4292467161



4284045657



# Same Dimension

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



4280584006



4279611466



4280584054



4282139198



4278223405



4278190849



# Inverse Universe

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



4287046757



4289729915



4287046709



4282530880



4286709845



4278386690



# Previews

## White Background



This preview shows how the Android color 4280584006 looks on a white background.

## Color Contrast Check

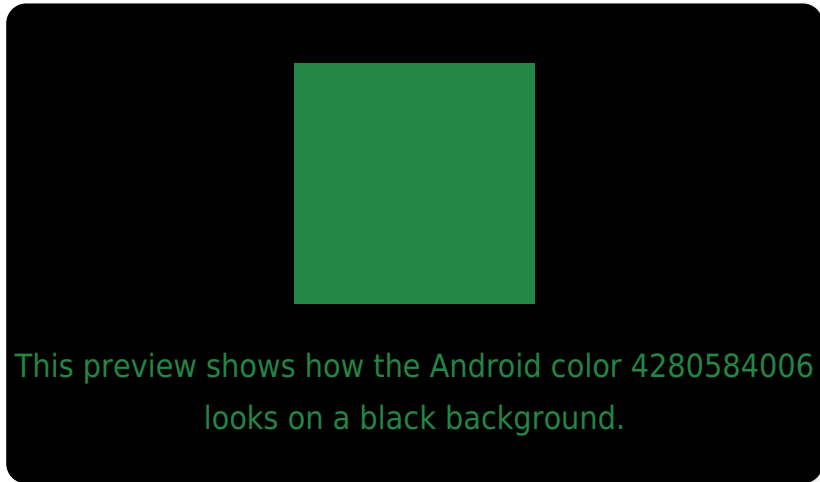
Large Text (above 18pt) WCAG AA ✓ Pass

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 4280584006 Background



This preview shows how black text looks on a background with the Android color 4280584006.



This preview shows how white text looks on a background with the Android color 4280584006.

# 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**  
4280584006

**Protanopia**  
4286674240

**Deuteranopia**  
4287459404



# Trichromacy



**Original Color**

4280584006



**Protanomaly**

4284447810



**Deuteranomaly**

4284971082



**Tritanomaly**

4281631345

# Monochromacy



**Original Color**

4280584006



**Achromatopsia**

4284637794



**Achromatomaly**

4283133784

# CSS Examples

## Text

The CSS property to change the color of the text to Android 4280584006 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(36, 135, 70)` looks like.

```
.text, #text, p{  
    color:rgb(36, 135, 70)  
}
```

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(36, 135, 70) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 135, 70) }
```

## Border

The CSS property to change the border of an element to Android 4280584006 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(36, 135, 70) }
```

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

```
.border{ border-color:rgb(36, 135, 70) }
```

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

Here you see how a box with a 4 pixel rgb(36, 135, 70) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 135, 70); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 135, 70);  
box-shadow:4px 4px 4px 4px rgb(36, 135,  
70) }
```

# Background

The CSS property to change the background color of an element to Android 4280584006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 135, 70) }
```

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

```
.background{ background-color: rgb(36, 135,  
70) }
```

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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