

# Converting Colors

Hex(298050)

Have a look what the booklet for  
Hex(298050) contains.

<b>Hex(298050)</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

**Hex(298050)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	298050
RGB	41, 128, 80
RGB Percent	16%, 50%, 31%
CMY	0.8392, 0.4980, 0.6863
CMYK	0.68, 0.00, 0.38, 0.50
HSL	147°, 51%, 33%
HSV	147°, 68%, 50%
XYZ	10.0816, 16.4889, 10.2407
YIQ	96.5150, -36.4440, -33.3720

# Conversions

## Conversions Part 2

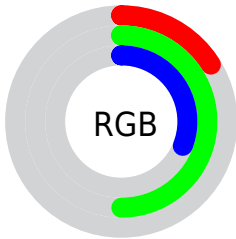
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	41, 101, 128
Decimal	2719824
CIE <sub>Lab</sub>	47.61, -37.50, 18.72
CIE <sub>LCh</sub>	48, 41.909, 153.472
Yxy	16.4889, 0.2739, 0.4479
Android (android.graphics.Color)	4280909904 (0xFF298050)
YUV	96.5150, -8.1419, -48.6867
Hunter-Lab	40.6066, -26.7445, 13.4720

# Details

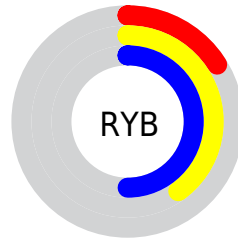
The Hex color **298050** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **802959**, and the grayscale version is **616161**.

A 20% lighter version of the original color is **61B682**, and **004E23** is the 20% darker color. If you saturate the color by 10%, you get **1C8049**, and if you desaturate by 10%, it is **368057**.

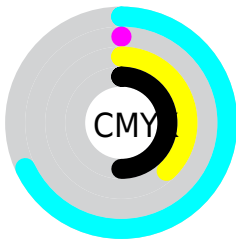
# Distribution



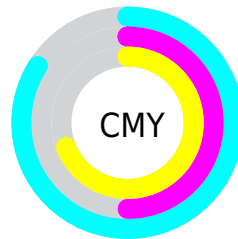
- Red (16%)
- Green (50%)
- Blue (31%)



- Red (16%)
- Yellow (40%)
- Blue (50%)



- Cyan (68%)
- Magenta (0%)
- Yellow (38%)
- Black (50%)



- Cyan (84%)
- Magenta (50%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 298050 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 Hex color 298050 by changing the saturation by 10% instead.



 298050

 298050

FFFFFF

 006639

 61B682

 004E23

 7CD19C

 00360D

 98EEB7

 002200

 B4FFD2

 000000

 D1FFEF

 EEEFFF

 298050

 298050

 1C8049

 368057

■ 0F8042

■ 43805E

■ 03803B

■ 4F8065

■ 008039

■ 5C806C

■ 698073

■ 76807A

■ 838081

■ 8F8088

■ 9C8090

# Harmonies

## Analogous

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



5C7A33



298050



008274

# Triad

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



298050



3373B7



AF574C

# Complementary

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



298050



802959

# 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.



B1526E



298050



7866AC

# Square

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



298050



007DB0



9F5891



9E6431

# Rectangle

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



298050



00828C



9F5891



B25457



# Sweetspot

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



298050



85A693



5A8029



405449



D4D4D4



545454



# Same Dimension

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



298050



1EA65B



29807A



39403C



008039



000000



# Inverse Universe

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



802959



A61E69



80292F



40393D



800046



000000



# Previews

## White Background



This preview shows how the Hex color 298050 looks on a white background.

## Color Contrast Check

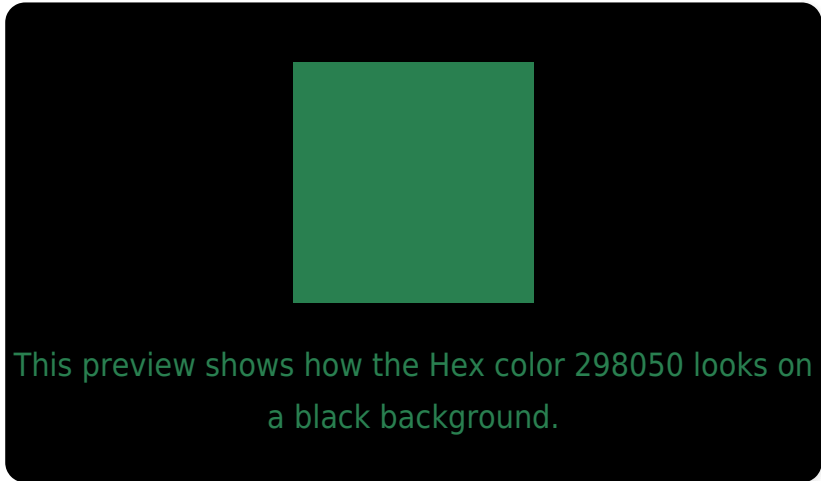
Large Text (above 18pt) WCAG AA ✓ Pass

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 × 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](#).



## Hex 298050 Background



This preview shows how black text looks on a background with the Hex color 298050.

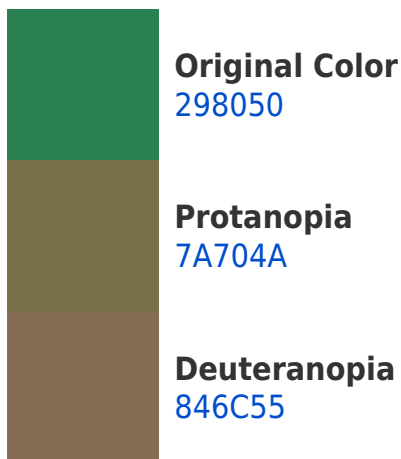



This preview shows how white text looks on a background with the Hex color 298050.

# 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





**Tritanopia**  
3C7A84

# Trichromacy



**Original Color**  
298050



**Protanomaly**  
5D764C



**Deuteranomaly**  
637353



**Tritanomaly**  
357C71

# Monochromacy



**Original Color**  
298050



**Achromatopsia**  
616161



**Achromatomaly**  
4D6C5B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 298050 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 #298050 looks like.

```
.text, #text, p{  
    color:#298050  
}
```

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 #298050 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #298050
}
```

## Border

The CSS property to change the border of an element to Hex 298050 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
#298050 }
```

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

```
.border{ border-color:#298050 }
```

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

Here you see how a box with a 4 pixel #298050 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #298050; -webkit-box-shadow:4px 4px  
4px 4px #298050; box-shadow:4px 4px 4px  
4px #298050 }
```

# Background

The CSS property to change the background color of an element to Hex 298050 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#298050 }
```

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

```
.background{ background-color:#298050 }
```

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