

# Converting Colors

Hex(298D16)

Have a look what the booklet for  
Hex(298D16) contains.

<b>Hex(298D16)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

**Color**

**Hex(298D16)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	298D16
RGB	41, 141, 22
RGB Percent	16%, 55%, 9%
CMY	0.8392, 0.4471, 0.9137
CMYK	0.71, 0.00, 0.84, 0.45
HSL	110°, 73%, 32%
HSV	110°, 84%, 55%
XYZ	10.5841, 19.5791, 3.9804
YIQ	97.5340, -21.4010, -58.2090

# Conversions

## Conversions Part 2

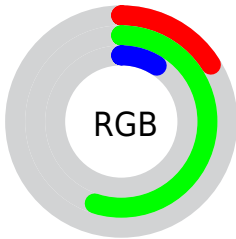
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	22, 141, 122
Decimal	2723094
CIE <sub>Lab</sub>	51.36, -49.78, 49.76
CIE <sub>LCh</sub>	51, 70.386, 135.015
Yxy	19.5791, 0.3100, 0.5734
Android (android.graphics.Color)	4280913174 (0xFF298D16)
YUV	97.5340, -37.2383, -49.5803
Hunter-Lab	44.2483, -34.7374, 25.6404

# Details

The Hex color **298D16** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **7A168D**, and the grayscale version is **626262**.

A 20% lighter version of the original color is **66C44E**, and **005900** is the 20% darker color. If you saturate the color by 10%, you get **1D8D08**, and if you desaturate by 10%, it is **358D24**.

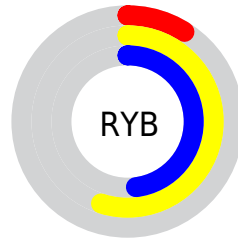
# Distribution



Red (16%)

Green (55%)

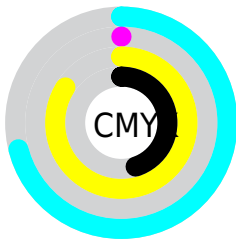
Blue (9%)



Red (9%)

Yellow (55%)

Blue (48%)

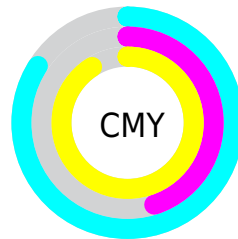


Cyan (71%)

Magenta (0%)

Yellow (84%)

Black (45%)



Cyan (84%)

Magenta (45%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 298D16 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 298D16 by changing the saturation by 10% instead.



 298D16

 298D16

FFFFFF

 007300

 66C44E

 005900

 83E068

 004100

 9FFD82

 002B00

 BCFF9E

 000900

 DAFFB9

 000000

 F7FFD6

 FFFFF3

 298D16

 298D16

■ 1D8D08

■ 358D24

■ 178D00

■ 418D32

■ 4D8D40

■ 588D4E

■ 648D5D

■ 708D6B

■ 7C8D79

■ 888D87

■ 948D95

# Harmonies

## Analogous

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



788100



298D16



009359

# Triad

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



298D16



008AEF



E3335F

# Complementary

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



298D16



7A168D

# 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.



D53A9B



298D16



0077F0

# Square

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



298D16



0093CF



A15AD0



D34F25

# Rectangle

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



298D16



009583



A15AD0



E23073



# Sweetspot

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



298D16



91B88A



8D7916



455C40



DBDBDB



5C5C5C



# Same Dimension

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



298D16



1DB800



168D3E



414740



168700



010800



# Inverse Universe

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



7A168D



9A00B8



8D1665



464047



720087

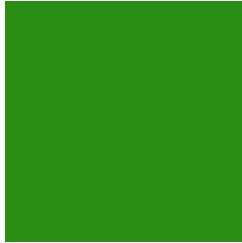


060008



# Previews

## White Background



This preview shows how the Hex color 298D16 looks on a white background.

## Color Contrast Check

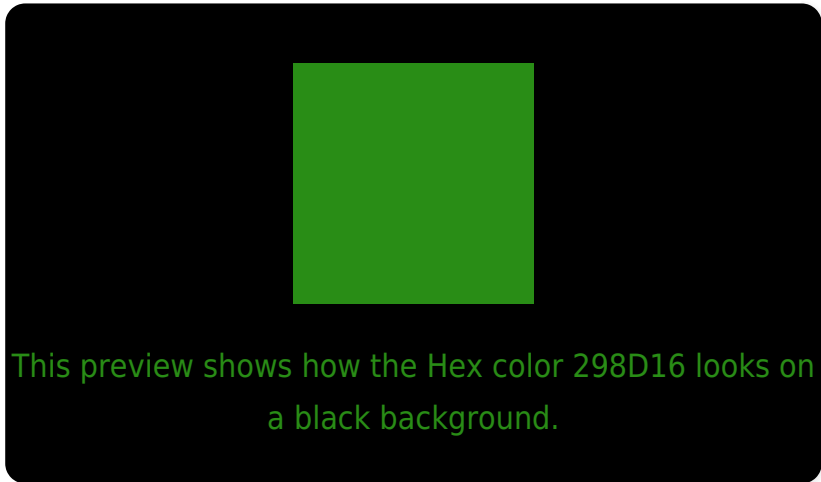
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

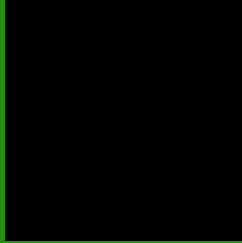
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 298D16 Background



This preview shows how black text looks on a background with the Hex color 298D16.

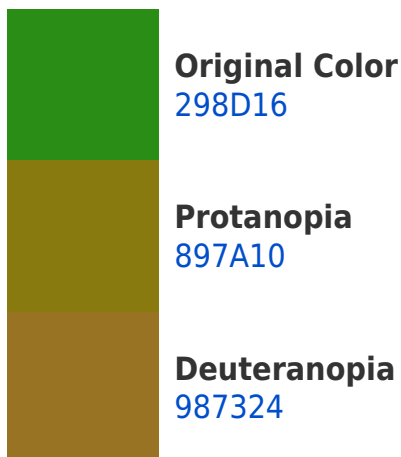


This preview shows how white text looks on a background with the Hex color 298D16.

# 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**  
46838E

# Trichromacy



**Original Color**  
298D16



**Protanomaly**  
668112



**Deuteranomaly**  
707C1F



**Tritanomaly**  
3B8762

# Monochromacy



**Original Color**  
298D16



**Achromatopsia**  
626262



**Achromatomaly**  
4D7246

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 298D16 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 #298D16 looks like.

```
.text, #text, p{  
    color:#298D16  
}
```

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 #298D16 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #298D16
}
```

## Border

The CSS property to change the border of an element to Hex 298D16 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".

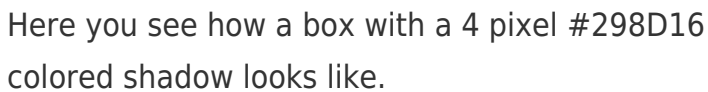
```
.border, #border, table{ border:4px solid
#298D16 }
```

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

```
.border{ border-color:#298D16 }
```

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

Here you see how a box with a 4 pixel #298D16 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #298D16; -webkit-box-shadow:4px 4px  
4px 4px #298D16; box-shadow:4px 4px 4px  
4px #298D16 }
```

# Background

The CSS property to change the background color of an element to Hex 298D16 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#298D16 }
```

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

```
.background{ background-color:#298D16 }
```

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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