

# Converting Colors

Hex(298A12)

Have a look what the booklet for  
Hex(298A12) contains.

<b>Hex(298A12)</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(298A12)**

# Conversions

## Conversions Part 1

Format	Color
Hex	298A12
RGB	41, 138, 18
RGB Percent	16%, 54%, 7%
CMY	0.8392, 0.4588, 0.9294
CMYK	0.70, 0.00, 0.87, 0.46
HSL	108°, 77%, 31%
HSV	108°, 87%, 54%
XYZ	10.1121, 18.6920, 3.6472
YIQ	95.3170, -19.2920, -57.8840

# Conversions

## Conversions Part 2

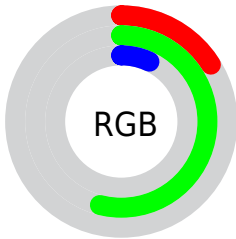
<b>Format</b>	<b>Color</b>
<b>RYB</b>	18, 138, 115
Decimal	2722322
CIELab	50.32, -48.96, 49.88
CIELCh	50, 69.896, 134.466
Yxy	18.6920, 0.3116, 0.5760
Android (android.graphics.Color)	4280912402 (0xFF298A12)
YUV	95.3170, -38.1173, -47.6360
Hunter-Lab	43.2343, -33.9105, 25.2623

# Details

The Hex color **298A12** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **73128A**, and the grayscale version is **606060**.

A 20% lighter version of the original color is **66C04B**, and **005700** is the 20% darker color. If you saturate the color by 10%, you get **1E8A04**, and if you desaturate by 10%, it is **348A20**.

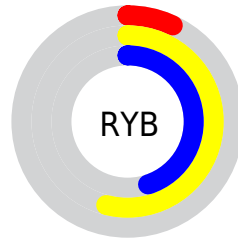
# Distribution



Red (16%)

Green (54%)

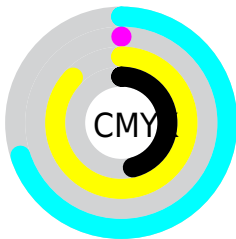
Blue (7%)



Red (7%)

Yellow (54%)

Blue (45%)

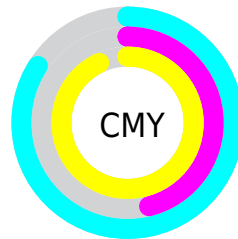


Cyan (70%)

Magenta (0%)

Yellow (87%)

Black (46%)



Cyan (84%)

Magenta (46%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 298A12 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 298A12 by changing the saturation by 10% instead.





298A12



298A12

FFFFFF



007000



66C04B



005700



82DD65



003E00



9FFA7F



002900



BBFF9B



000200



D9FFB6



000000



F6FFD3



FFFFEF



298A12



298A12

■ 1E8A04

■ 348A20

■ 1A8A00

■ 3F8A2E

■ 4A8A3B

■ 568A49

■ 618A57

■ 6C8A65

■ 778A73

■ 828A80

■ 8D8A8E

# Harmonies

## Analogous

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



767E00



298A12



009056

# Triad

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



298A12



0087EB



DF315E

# Complementary

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



298A12



73128A

# 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.



D13899



298A12



0075EC

# Square

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



298A12



0090CB



9D59CE



CF4D25

# Rectangle

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



298A12



00927F



9D59CE



DE2D72



# Sweetspot

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



298A12



8DB384



8A7212



43593E



D9D9D9



595959



# Same Dimension

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



298A12



22B300



128A36



3F453E



198500



010500



# Inverse Universe

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



73128A



9000B3



8A1266



443E45



6B0085



040005



# Previews

## White Background



This preview shows how the Hex color 298A12 looks on a white background.

## Color Contrast Check

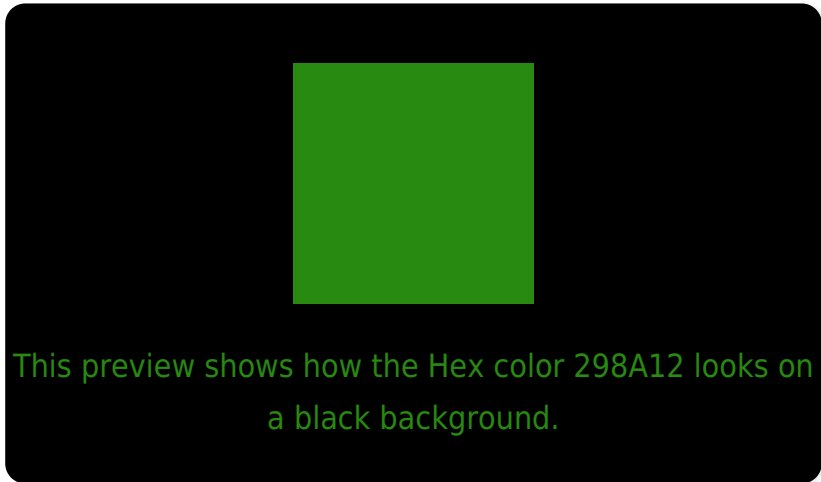
Large Text (above 18pt) WCAG AA ✓ Pass

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

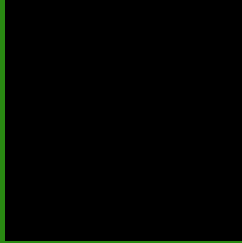
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 298A12 Background



This preview shows how black text looks on a background with the Hex color 298A12.



This preview shows how white text looks on a background with the Hex color 298A12.

# 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**  
298A12

**Protanopia**  
86770C

**Deuteranopia**  
957122



**Tritanopia**  
45808B

# Trichromacy



**Original Color**  
298A12



**Protanomaly**  
647E0E



**Deuteranomaly**  
6E7A1C



**Tritanomaly**  
3B845F

# Monochromacy



**Original Color**  
298A12



**Achromatopsia**  
5F5F5F



**Achromatomaly**  
4B6F43

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 298A12 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 #298A12 looks like.

```
.text, #text, p{  
    color:#298A12  
}
```

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 #298A12 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #298A12
}
```

## Border

The CSS property to change the border of an element to Hex 298A12 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
#298A12 }
```

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

```
.border{ border-color:#298A12 }
```

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

Here you see how a box with a 4 pixel #298A12 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #298A12; -webkit-box-shadow:4px 4px  
4px 4px #298A12; box-shadow:4px 4px 4px  
4px #298A12 }
```

# Background

The CSS property to change the background color of an element to Hex 298A12 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#298A12 }
```

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

```
.background{ background-color:#298A12 }
```

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