

# Converting Colors

Hex(299C0A)

Have a look what the booklet for  
Hex(299C0A) contains.

<b>Hex(299C0A)</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(299C0A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	299C0A
RGB	41, 156, 10
RGB Percent	16%, 61%, 4%
CMY	0.8392, 0.3882, 0.9608
CMYK	0.74, 0.00, 0.94, 0.39
HSL	107°, 88%, 33%
HSV	107°, 94%, 61%
XYZ	12.8577, 24.2703, 4.2941
YIQ	104.9710, -21.6740, -69.7860

# Conversions

## Conversions Part 2

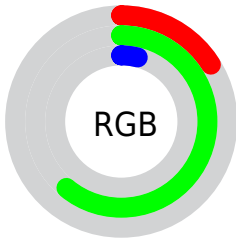
<b>Format</b>	<b>Color</b>
<b>RYB</b>	10, 156, 125
Decimal	2726922
CIELab	56.36, -55.21, 56.68
CIELCh	56, 79.125, 134.251
Yxy	24.2703, 0.3104, 0.5859
Android (android.graphics.Color)	4280917002 (0xFF299C0A)
YUV	104.9710, -46.8207, -56.1026
Hunter-Lab	49.2649, -39.6265, 29.3175

# Details

The Hex color **299C0A** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **7D0A9C**, and the grayscale version is **696969**.

A 20% lighter version of the original color is **6AD44A**, and **006700** is the 20% darker color. If you saturate the color by 10%, you get **219C00**, and if you desaturate by 10%, it is **359C1A**.

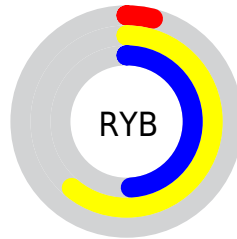
# Distribution



Red (16%)

Green (61%)

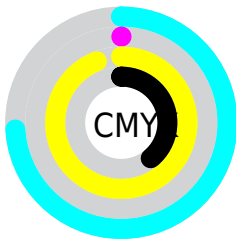
Blue (4%)



Red (4%)

Yellow (61%)

Blue (49%)

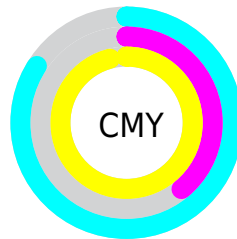


Cyan (74%)

Magenta (0%)

Yellow (94%)

Black (39%)



Cyan (84%)

Magenta (39%)

Yellow (96%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 299C0A 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 299C0A by changing the saturation by 10% instead.





299C0A



299C0A

FFFFFF



008100



6AD44A



006700



87F066



004E00



A5FF81



003600



C2FF9C



001E00



E0FFB8



000000



FEFFD5



FFFFFF2



299C0A



299C0A

■ 219C00

■ 359C1A

■ 429C29

■ 4E9C39

■ 5A9C48

■ 669C58

■ 739C68

■ 7F9C77

■ 8B9C87

■ 989C96

# Harmonies

## Analogous

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



858E00



299C0A



00A35F

# Triad

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



299C0A



0099FF



FE306A

# Complementary

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



299C0A



7D0A9C

# 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.



EE3AAE



299C0A



0085FF

# Square

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



299C0A



00A3E7



B163EB



EC5427

# Rectangle

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



299C0A



00A58F



B163EB



FD2C80



# Sweetspot

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



299C0A



9FCC93



9C7C0A



4B6643



E6E6E6



666666



# Same Dimension

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



299C0A



2BCC00



0A9C33



494F47



1E8F00



030F00



# Inverse Universe

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



7D0A9C



A100CC



9C0A73



4D474F



70008F

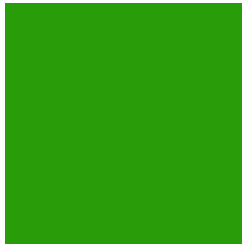


0C000F



# Previews

## White Background



This preview shows how the Hex color 299C0A looks on a white background.

## Color Contrast Check

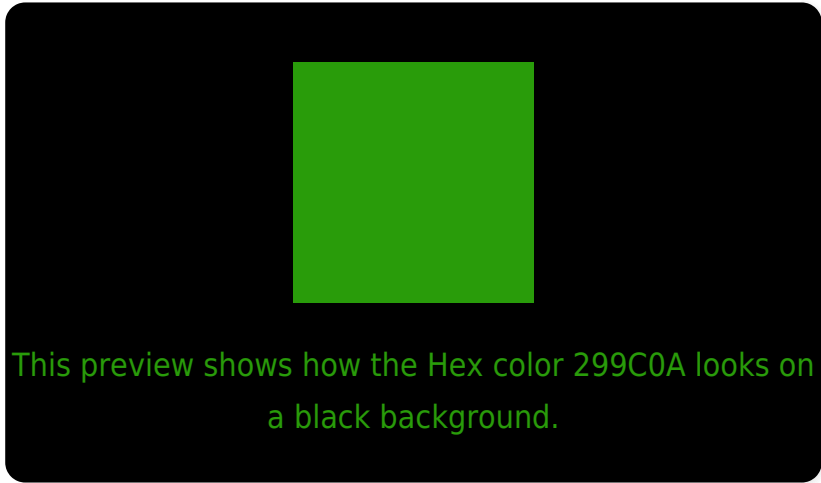
Large Text (above 18pt) WCAG AA ✓ Pass

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

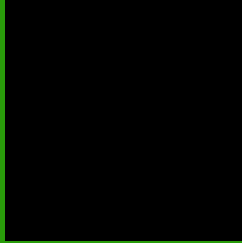
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 299C0A Background



This preview shows how black text looks on a background with the Hex color 299C0A.



This preview shows how white text looks on a background with the Hex color 299C0A.

# 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**  
299C0A

**Protanopia**  
978700

**Deuteranopia**  
A97F22



**Tritanopia**  
4B919D

# Trichromacy



**Original Color**  
299C0A



**Protanomaly**  
6F8F04



**Deuteranomaly**  
7A8A19



**Tritanomaly**  
3F9568

# Monochromacy



**Original Color**  
299C0A



**Achromatopsia**  
696969



**Achromatomaly**  
527C46

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 299C0A 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 #299C0A looks like.

```
.text, #text, p{  
    color:#299C0A  
}
```

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 #299C0A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #299C0A
}
```

## Border

The CSS property to change the border of an element to Hex 299C0A 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
#299C0A }
```

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

```
.border{ border-color:#299C0A }
```

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

Here you see how a box with a 4 pixel #299C0A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #299C0A; -webkit-box-shadow:4px 4px  
4px 4px #299C0A; box-shadow:4px 4px 4px  
4px #299C0A }
```

# Background

The CSS property to change the background color of an element to Hex 299C0A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#299C0A }
```

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

```
.background{ background-color:#299C0A }
```

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