

# Converting Colors

Hex(2DA40C)

Have a look what the booklet for  
Hex(2DA40C) contains.

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# Color

Hex(2DA40C)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2DA40C
RGB	45, 164, 12
RGB Percent	18%, 64%, 5%
CMY	0.8235, 0.3569, 0.9529
CMYK	0.73, 0.00, 0.93, 0.36
HSL	107°, 86%, 35%
HSV	107°, 93%, 64%
XYZ	14.4240, 27.1354, 4.8253
YIQ	111.0910, -22.1320, -72.5000

# Conversions

## Conversions Part 2

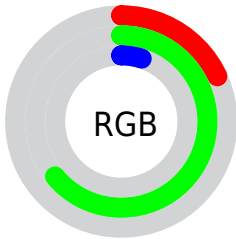
<b>Format</b>	<b>Color</b>
<b>RYB</b>	12, 164, 131
Decimal	2991116
CIELab	59.10, -57.01, 58.71
CIELCh	59, 81.830, 134.159
Yxy	27.1354, 0.3110, 0.5850
Android (android.graphics.Color)	4281181196 (0xFF2DA40C)
YUV	111.0910, -48.8519, -57.9618
Hunter-Lab	52.0916, -41.7342, 30.9721

# Details

The Hex color **2DA40C** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **830CA4**, and the grayscale version is **707070**.

A 20% lighter version of the original color is **6EDC4D**, and **006F00** is the 20% darker color. If you saturate the color by 10%, you get **24A400**, and if you desaturate by 10%, it is **3AA41C**.

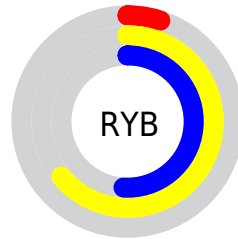
# Distribution



Red (18%)

Green (64%)

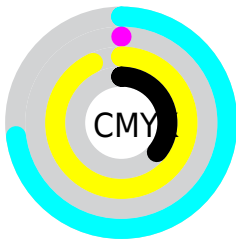
Blue (5%)



Red (5%)

Yellow (64%)

Blue (51%)

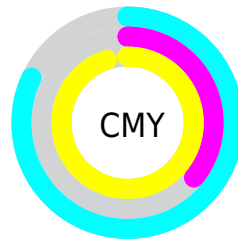


Cyan (73%)

Magenta (0%)

Yellow (93%)

Black (36%)



Cyan (82%)

Magenta (36%)

Yellow (95%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2DA40C 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 2DA40C by changing the saturation by 10% instead.





2DA40C



2DA40C

FFFFFF



008900



6EDC4D



006F00



8CF968



005500



AAFF84



003D00



C7FF9F



002600



E5FFBC



000000



FFFFD8



FFFFF5



2DA40C



2DA40C

■ 24A400

■ 3AA41C

■ 47A42D

■ 54A43D

■ 60A44E

■ 6DA45E

■ 7AA46E

■ 87A47F

■ 94A48F

■ A1A4A0

# Harmonies

## Analogous

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



8D9600



2DA40C



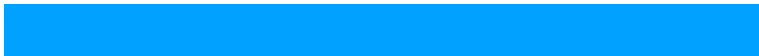
00AB64

# Triad

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



2DA40C



00A1FF



FF3470

# Complementary

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



2DA40C



830CA4

# 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.



F93EB7



2DA40C



008CFF

# Square

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



2DA40C



00ABF2



BA69F7



F8592A

# Rectangle

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



2DA40C



00AD97



BA69F7



FF3087



# Sweetspot

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



2DA40C



A7D69A



A4810C



4F6B47



EBEBEB



6B6B6B



# Same Dimension

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



2DA40C



2FD600



0CA435



4B5249



209100



041200



# Inverse Universe

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



830CA4



A800D6



A40C7B



504952



720091



0E0012



# Previews

## White Background



This preview shows how the Hex color 2DA40C looks on a white background.

## Color Contrast Check

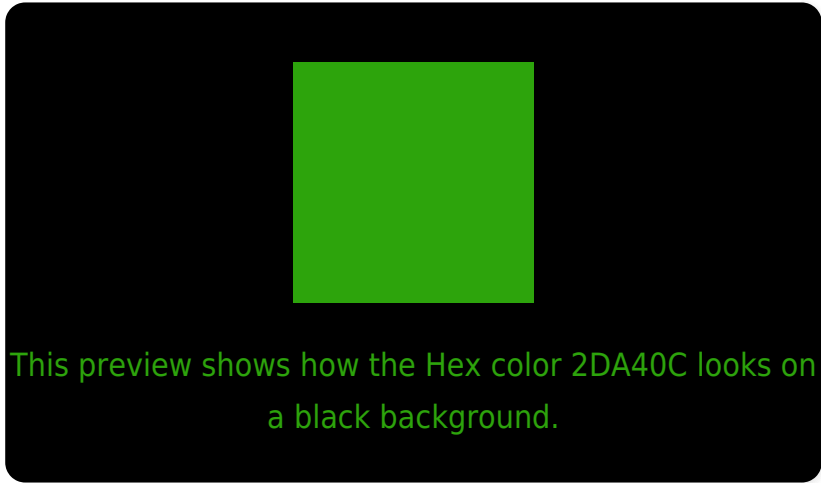
Large Text (above 18pt) WCAG AA ✓ Pass

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 2DA40C Background



This preview shows how black text looks on a background with the Hex color 2DA40C.



This preview shows how white text looks on a background with the Hex color 2DA40C.

# 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**  
2DA40C

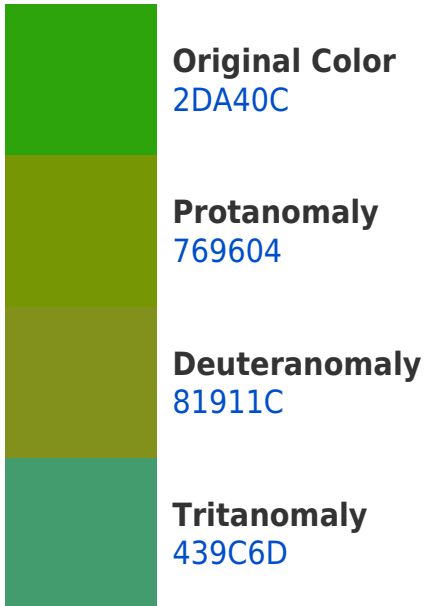
**Protanopia**  
9F8E00

**Deuteranopia**  
B18625

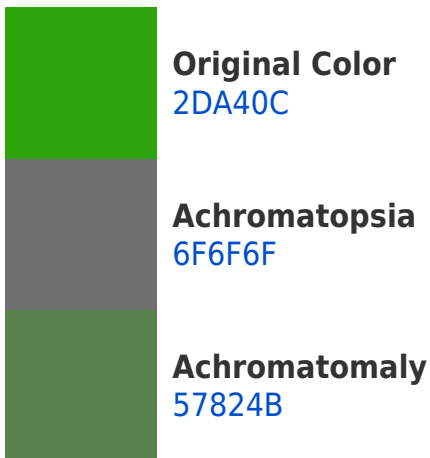


**Tritanopia**  
5098A5

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2DA40C 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 #2DA40C looks like.

```
.text, #text, p{  
    color:#2DA40C  
}
```

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 #2DA40C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2DA40C
}
```

## Border

The CSS property to change the border of an element to Hex 2DA40C 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
#2DA40C }
```

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

```
.border{ border-color:#2DA40C }
```

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

Here you see how a box with a 4 pixel #2DA40C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2DA40C; -webkit-box-shadow:4px 4px  
4px 4px #2DA40C; box-shadow:4px 4px 4px  
4px #2DA40C }
```

# Background

The CSS property to change the background color of an element to Hex 2DA40C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2DA40C }
```

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

```
.background{ background-color:#2DA40C }
```

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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