

# Converting Colors

Hex(2CA402)

Have a look what the booklet for  
Hex(2CA402) contains.

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**Color**

**Hex(2CA402)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2CA402
RGB	44, 164, 2
RGB Percent	17%, 64%, 1%
CMY	0.8275, 0.3569, 0.9922
CMYK	0.73, 0.00, 0.99, 0.36
HSL	104°, 98%, 33%
HSV	104°, 99%, 64%
XYZ	14.3251, 27.0908, 4.5315
YIQ	109.6520, -19.5180, -75.8220

# Conversions

## Conversions Part 2

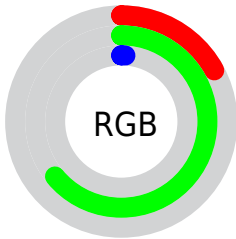
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">2, 164, 122</a>
Decimal	<a href="#">2925570</a>
CIELab	<a href="#">59.06, -57.44, 60.10</a>
CIElCh	<a href="#">59, 83.136, 133.703</a>
Yxy	<a href="#">27.0908, 0.3118, 0.5896</a>
Android (android.graphics.Color)	<a href="#">4281115650 (0xFF2CA402)</a>
YUV	<a href="#">109.6520, -53.0724, -57.5768</a>
Hunter-Lab	<a href="#">52.0488, -41.9578, 31.2723</a>

# Details

The Hex color **2CA402** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **7A02A4**, and the grayscale version is **6E6E6E**.

A 20% lighter version of the original color is **6EDC49**, and **006F00** is the 20% darker color. If you saturate the color by 10%, you get **2BA400**, and if you desaturate by 10%, it is **38A412**.

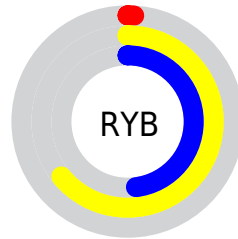
# Distribution



Red (17%)

Green (64%)

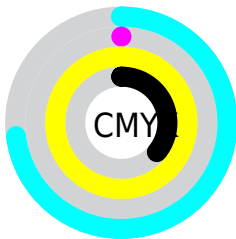
Blue (1%)



Red (1%)

Yellow (64%)

Blue (48%)

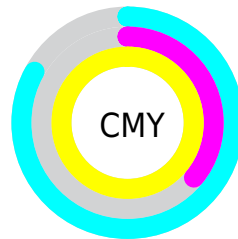


Cyan (73%)

Magenta (0%)

Yellow (99%)

Black (36%)



Cyan (83%)

Magenta (36%)

Yellow (99%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2CA402 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 2CA402 by changing the saturation by 10% instead.



 2CA402

 2CA402

FFFFFF

 008900

 6EDC49

 006F00

 8CF965

 005500

 A9FF80

 003D00

 C7FF9C

 002500

 E5FFB8

 000000

 FFFFD5

 FFFFF2

 2CA402

 2CA402

■ 2BA400

■ 38A412

■ 44A423

■ 50A433

■ 5DA444

■ 69A454

■ 75A464

■ 81A475

■ 8DA485

■ 99A496

# Harmonies

## Analogous

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



8D9500



2CA402



00AB62

# Triad

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



2CA402



00A2FF



FF2F70

# Complementary

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



2CA402



7A02A4

# 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.



FA3CB9



2CA402



008CFF

# Square

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



2CA402



00ACF2



B968F9



F95729

# Rectangle

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



2CA402



00AD96



B968F9



FF2B88



# Sweetspot

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



2CA402



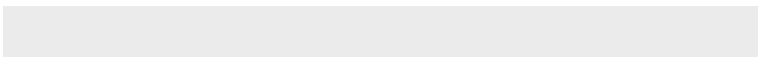
A7D696



A47902



4F6B45



EBEBEB



6B6B6B



# Same Dimension

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



2CA402



38D600



02A428



4C5249



269100



051200



# Inverse Universe

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



7A02A4



9F00D6



A4027E



4F4952



6C0091

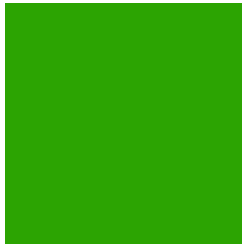


0D0012



# Previews

## White Background



This preview shows how the Hex color 2CA402 looks on a white background.

## Color Contrast Check

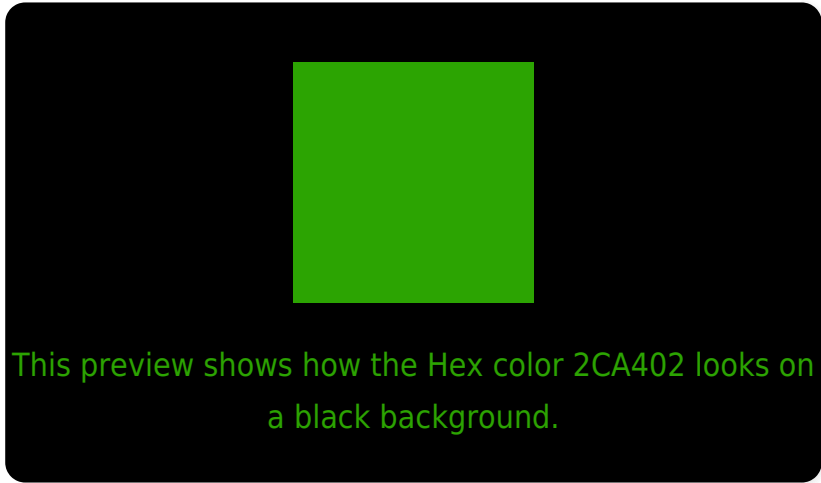
Large Text (above 18pt) WCAG AA ✓ Pass

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

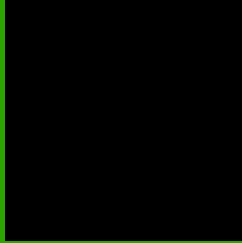
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 2CA402 Background



This preview shows how black text looks on a background with the Hex color 2CA402.



This preview shows how white text looks on a background with the Hex color 2CA402.

# 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**  
2CA402

**Protanopia**  
9F8E00

**Deuteranopia**  
B18623



**Tritanopia**  
5098A5

# Trichromacy



**Original Color**  
2CA402



**Protanomaly**  
759601



**Deuteranomaly**  
819117



**Tritanomaly**  
439C6A

# Monochromacy



**Original Color**  
2CA402



**Achromatopsia**  
6E6E6E



**Achromatomaly**  
568247

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2CA402 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 #2CA402 looks like.

```
.text, #text, p{  
    color:#2CA402  
}
```

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 #2CA402 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2CA402
}
```

## Border

The CSS property to change the border of an element to Hex 2CA402 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".

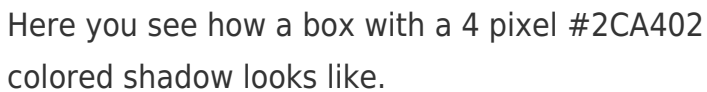
```
.border, #border, table{ border:4px solid
#2CA402 }
```

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

```
.border{ border-color:#2CA402 }
```

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

Here you see how a box with a 4 pixel #2CA402 colored shadow looks like.

A rectangular box with a thick green border and a green shadow. The box is white with a green border and a green shadow. The shadow is a 4px offset to the right and bottom of the box.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2CA402; -webkit-box-shadow:4px 4px  
4px 4px #2CA402; box-shadow:4px 4px 4px  
4px #2CA402 }
```

# Background

The CSS property to change the background color of an element to Hex 2CA402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2CA402 }
```

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

```
.background{ background-color:#2CA402 }
```

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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