

# Converting Colors

Hex(02CA44)

Have a look what the booklet for  
Hex(02CA44) contains.

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**Color**

**Hex(02CA44)**

# Conversions

## Conversions Part 1

Format	Color
Hex	02CA44
RGB	2, 202, 68
RGB Percent	1%, 79%, 27%
CMY	0.9922, 0.2078, 0.7333
CMYK	0.99, 0.00, 0.66, 0.21
HSL	140°, 98%, 40%
HSV	140°, 99%, 79%
XYZ	22.1890, 42.6713, 12.5358
YIQ	126.9240, -76.1860, -84.0740

# Conversions

## Conversions Part 2

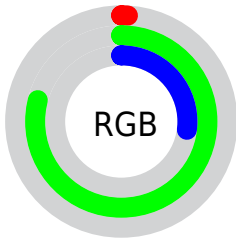
<b>Format</b>	<b>Color</b>
<b>RYB</b>	2, 152, 202
Decimal	182852
CIELab	71.33, -68.56, 53.28
CIELCh	71, 86.823, 142.149
Yxy	42.6713, 0.2867, 0.5513
Android (android.graphics.Color)	4278372932 (0xFF02CA44)
YUV	126.9240, -29.0495, -109.5583
Hunter-Lab	65.3233, -53.6830, 34.3484

# Details

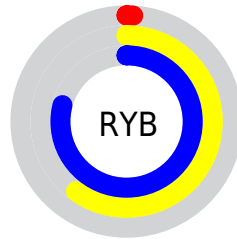
The Hex color **02CA44** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **CA0288**, and the grayscale version is **7F7F7F**.

A 20% lighter version of the original color is **67FF7A**, and **009201** is the 20% darker color. If you saturate the color by 10%, you get **00CA43**, and if you desaturate by 10%, it is **16CA52**.

# Distribution



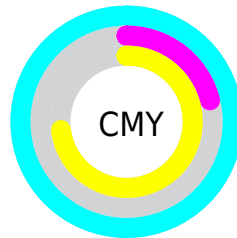
- Red (1%)
- Green (79%)
- Blue (27%)



- Red (1%)
- Yellow (60%)
- Blue (79%)



- Cyan (99%)
- Magenta (0%)
- Yellow (66%)
- Black (21%)



- Cyan (99%)
- Magenta (21%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 02CA44 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 02CA44 by changing the saturation by 10% instead.



 02CA44

 02CA44

FFFFFF

 00AE28

 67FF7A

 009201

 87FF95

 007700

 A7FFB1

 005D00

 C6FFCD

 004400

 E5FFEA

 002B00

 000900

 000000

 02CA44

 02CA44

■ 00CA43

■ 16CA52

■ 2ACA5F

■ 3FCA6D

■ 53CA7A

■ 67CA88

■ 7BCA95

■ 8FCAA3

■ A4CAB0

■ B8CABE

# Harmonies

## Analogous

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



9ABC00



02CA44



00D197

# Triad

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



02CA44



00BFFF



FF5C78

# Complementary

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



02CA44



CA0288

# 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.



FF57C7



02CA44



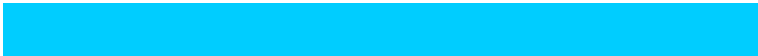
7AA3FF

# Square

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



02CA44



00CDFE



F87BFF



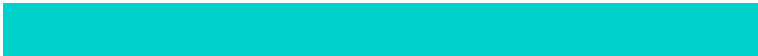
FF812D

# Rectangle

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



02CA44



00D2CE



F87BFF



FF5592

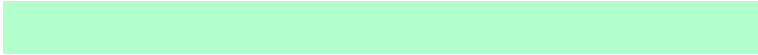


# Sweetspot

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



02CA44



B3FFCC



8BCA02



528061



000000



808080



# Same Dimension

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



02CA44



00FF54



02CAA5



5C665F



00A637



00260D



# Inverse Universe

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



CA0288



FF00AB



CA0227



665C63



A6006F

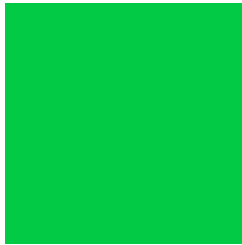


26001A



# Previews

## White Background



This preview shows how the Hex color 02CA44 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 02CA44 looks on a 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 ✓ Pass

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



## Hex 02CA44 Background



This preview shows how black text looks on a background with the Hex color 02CA44.

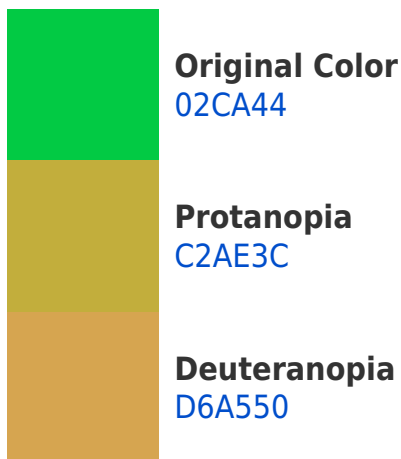


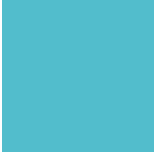
This preview shows how white text looks on a background with the Hex color 02CA44.

# Color Blindness Simulation

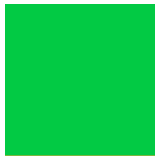
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy





# Trichromacy



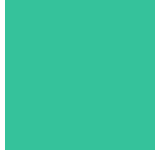
**Original Color**  
02CA44



**Protanomaly**  
7CB83F



**Deuteranomaly**  
89B24C



**Tritanomaly**  
35C29B

# Monochromacy



**Original Color**  
02CA44



**Achromatopsia**  
7F7F7F



**Achromatomaly**  
529A6A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 02CA44 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 #02CA44 looks like.

```
.text, #text, p{  
    color:#02CA44  
}
```

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 #02CA44 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #02CA44
}
```

## Border

The CSS property to change the border of an element to Hex 02CA44 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
#02CA44 }
```

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

```
.border{ border-color:#02CA44 }
```

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

Here you see how a box with a 4 pixel #02CA44 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #02CA44; -webkit-box-shadow:4px 4px  
4px 4px #02CA44; box-shadow:4px 4px 4px  
4px #02CA44 }
```

# Background

The CSS property to change the background color of an element to Hex 02CA44 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#02CA44 }
```

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

```
.background{ background-color:#02CA44 }
```

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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