

Converting Colors

Hex(00CA12)

Have a look what the booklet for
Hex(00CA12) contains.

Hex(00CA12)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(00CA12)

Conversions

Conversions Part 1

Format	Color
Hex	00CA12
RGB	0, 202, 18
RGB Percent	0%, 79%, 7%
CMY	1.0000, 0.2078, 0.9294
CMYK	1.00, 0.00, 0.91, 0.21
HSL	125°, 100%, 40%
HSV	125°, 100%, 79%
XYZ	21.2297, 42.2847, 7.6151
YIQ	120.6260, -61.3280, -100.0480

Conversions

Conversions Part 2

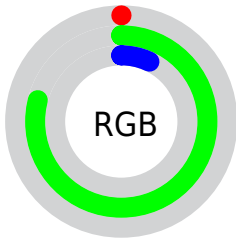
Format	Color
RYB	0, 185, 202
Decimal	51730
CIELab	71.07, -71.92, 67.71
CIELCh	71, 98.779, 136.725
Yxy	42.2847, 0.2985, 0.5945
Android (android.graphics.Color)	4278241810 (0xFF00CA12)
YUV	120.6260, -50.5946, -105.7890
Hunter-Lab	65.0267, -55.5206, 38.5754

Details

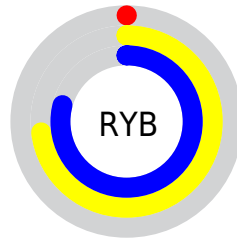
The Hex color **00CA12** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **CA00B8**, and the grayscale version is **797979**.

A 20% lighter version of the original color is **68FF57**, and **009200** is the 20% darker color. If you saturate the color by 10%, you get **00CA12**, and if you desaturate by 10%, it is **14CA24**.

Distribution



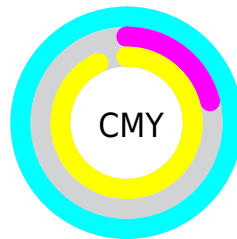
- Red (0%)
- Green (79%)
- Blue (7%)



- Red (0%)
- Yellow (73%)
- Blue (79%)



- Cyan (100%)
- Magenta (0%)
- Yellow (91%)
- Black (21%)



- Cyan (100%)
- Magenta (21%)
- Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the Hex color 00CA12 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 00CA12 by changing the saturation by 10% instead.

 00CA12

 00CA12

FFFFFF

 00AE00

 68FF57

 009200

 8AFF73

 007700

 A9FF8F

 005D00

 C9FFAC

 004300

 E8FFC9

 002B00

 FFFFE6

 000700

 000000

 00CA12

 14CA24

 28CA37

 3DCA49

 51CA5C

 65CA6E

 79CA80

 8DCA93

 A2CAA5

 B6CAB8

Harmonies

Analogous

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



A3B900



00CA12



00D281

Triad

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



00CA12



00C4FF



FF3880

Complementary

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



00CA12



CA00B8

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.



FF3FDA



00CA12



00A8FF

Square

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



00CA12



00D1FF



EE79FF



FF6E26

Rectangle

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



00CA12



00D4C1



EE79FF



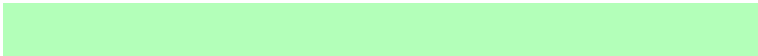
FF2D9E

Sweetspot

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



00CA12



B3FFB9



B9CA00



528056



000000



808080

Same Dimension

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



00CA12



00FF17



00CA76



5C665D



00A60F



002603

Inverse Universe

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



CA00B8



FF00E8



CA0054



665C65



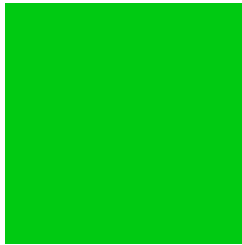
A60097



260023

Previews

White Background



This preview shows how the Hex color 00CA12 looks on a white background.

Color Contrast Check

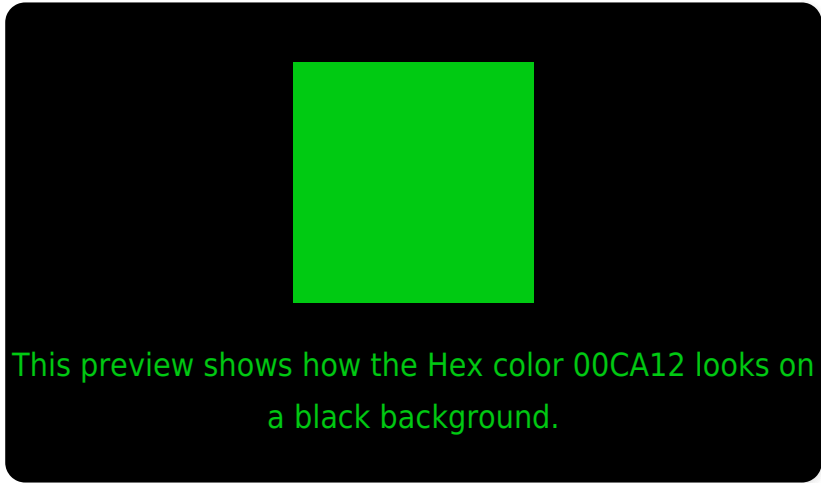
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 00CA12 Background



This preview shows how black text looks on a background with the Hex color 00CA12.



This preview shows how white text looks on a background with the Hex color 00CA12.

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](#).

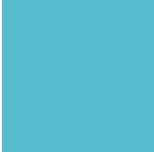
Dichromacy



Original Color
00CA12

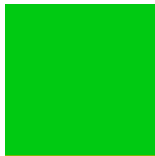
Protanopia
C3AD00

Deuteranopia
D9A42F



Tritanopia
55BCCB

Trichromacy



Original Color
00CA12



Protanomaly
7CB807

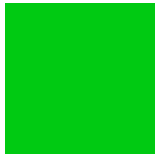


Deuteranomaly
8AB224



Tritanomaly
36C188

Monochromacy



Original Color
00CA12



Achromatopsia
797979



Achromatomaly
4D9654

CSS Examples

Text

The CSS property to change the color of the text to Hex 00CA12 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 #00CA12 looks like.

```
.text, #text, p{  
    color:#00CA12  
}
```

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 #00CA12 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00CA12
}
```

Border

The CSS property to change the border of an element to Hex 00CA12 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
#00CA12 }
```

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

```
.border{ border-color:#00CA12 }
```

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

Here you see how a box with a 4 pixel #00CA12 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00CA12; -webkit-box-shadow:4px 4px  
4px 4px #00CA12; box-shadow:4px 4px 4px  
4px #00CA12 }
```

Background

The CSS property to change the background color of an element to Hex 00CA12 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00CA12 }
```

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

```
.background{ background-color:#00CA12 }
```

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