

Converting Colors

Hex(00B712)

Have a look what the booklet for
Hex(00B712) contains.

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Color

Hex(00B712)

Conversions

Conversions Part 1

Format	Color
Hex	00B712
RGB	0, 183, 18
RGB Percent	0%, 72%, 7%
CMY	1.0000, 0.2824, 0.9294
CMYK	1.00, 0.00, 0.90, 0.28
HSL	126°, 100%, 36%
HSV	126°, 100%, 72%
XYZ	17.0427, 33.9106, 6.2194
YIQ	109.4730, -56.1030, -90.1110

Conversions

Conversions Part 2

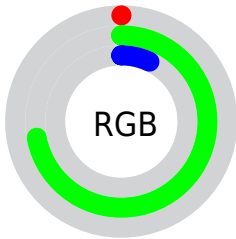
Format	Color
RYB	0, 167, 183
Decimal	46866
CIELab	64.89, -66.72, 62.44
CIELCh	65, 91.384, 136.897
Yxy	33.9106, 0.2981, 0.5931
Android (android.graphics.Color)	4278236946 (0xFF00B712)
YUV	109.4730, -45.0962, -96.0078
Hunter-Lab	58.2328, -49.6669, 34.4306

Details

The Hex color **00B712** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **B700A5**, and the grayscale version is **6E6E6E**.

A 20% lighter version of the original color is **63F053**, and **008000** is the 20% darker color. If you saturate the color by 10%, you get **00B712**, and if you desaturate by 10%, it is **12B723**.

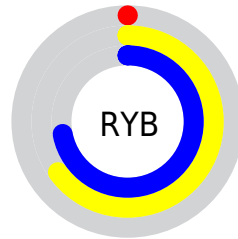
Distribution



Red (0%)

Green (72%)

Blue (7%)



Red (0%)

Yellow (65%)

Blue (72%)

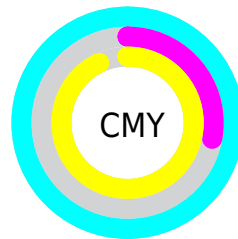


Cyan (100%)

Magenta (0%)

Yellow (90%)

Black (28%)



Cyan (100%)

Magenta (28%)

Yellow (93%)

Brightness & Saturation Gradients

These gradients show how the Hex color 00B712 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 00B712 by changing the saturation by 10% instead.

 00B712

 00B712

FFFFFF

 009B00

 63F053

 008000

 83FF6F

 006600

 A2FF8B

 004C00

 C0FFA7

 003500

 DFFFC3

 001A00

 FEFFC0

 000000

FFFFFFE

 00B712

 12B723

 25B733

 37B744

 49B754

 5CB765

 6EB775

 80B786

 92B796

 A5B7A7

Harmonies

Analogous

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



93A800



00B712



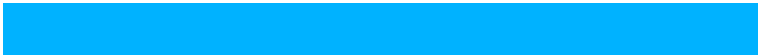
00BE75

Triad

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



00B712



00B2FF



FF3373

Complementary

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



00B712



B700A5

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.



FF3AC5



00B712



0098FF

Square

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



00B712



00BEFF



D86EFF



FF6422

Rectangle

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



00B712



00C0AF



D86EFF



FF2A8E

Sweetspot

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



00B712



A6EDAD



A8B700



4D7851



F7F7F7



787878

Same Dimension

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



00B712



00ED17



00B76B



535C54



009C0F



001C03

Inverse Universe

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



B700A5



ED00D6



B7004C



5C535B



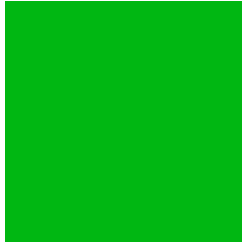
9C008C



1C0019

Previews

White Background



This preview shows how the Hex color 00B712 looks on a white background.

Color Contrast Check

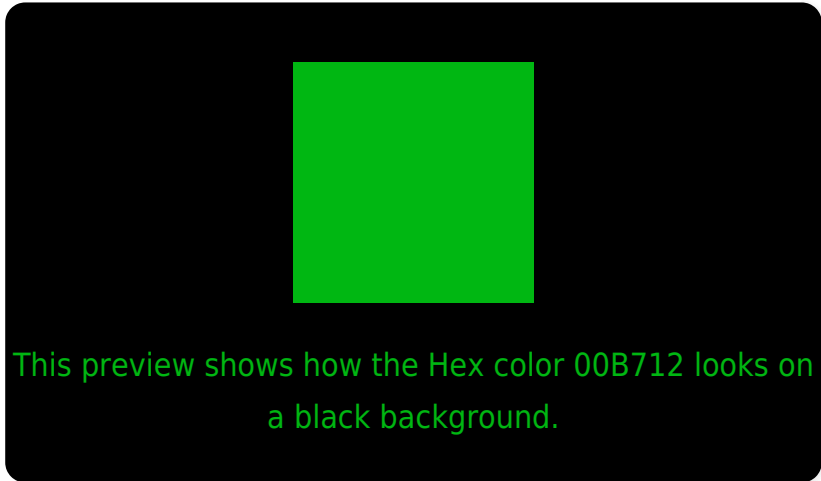
Large Text (above 18pt) WCAG AA × Fail

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 00B712 Background



This preview shows how black text looks on a background with the Hex color 00B712.

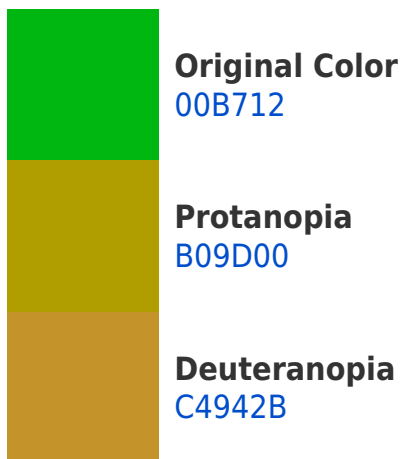


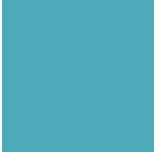
This preview shows how white text looks on a background with the Hex color 00B712.

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](#).

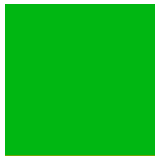
Dichromacy





Tritanopia
4DAAB8

Trichromacy



Original Color

00B712



Protanomaly

70A607



Deuteranomaly

7DA122



Tritanomaly

31AF7C

Monochromacy



Original Color

00B712



Achromatopsia

6D6D6D



Achromatomaly

45884C

CSS Examples

Text

The CSS property to change the color of the text to Hex 00B712 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 #00B712 looks like.

```
.text, #text, p{  
    color:#00B712  
}
```

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 #00B712 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00B712
}
```

Border

The CSS property to change the border of an element to Hex 00B712 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
#00B712 }
```

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

```
.border{ border-color:#00B712 }
```

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

Here you see how a box with a 4 pixel #00B712 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00B712; -webkit-box-shadow:4px 4px  
4px 4px #00B712; box-shadow:4px 4px 4px  
4px #00B712 }
```

Background

The CSS property to change the background color of an element to Hex 00B712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00B712 }
```

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

```
.background{ background-color:#00B712 }
```

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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