

# Converting Colors

Hex(00B721)

Have a look what the booklet for  
Hex(00B721) contains.

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**Color**

**Hex(00B721)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00B721
RGB	0, 183, 33
RGB Percent	0%, 72%, 13%
CMY	1.0000, 0.2824, 0.8706
CMYK	1.00, 0.00, 0.82, 0.28
HSL	131°, 100%, 36%
HSV	131°, 100%, 72%
XYZ	17.2080, 33.9768, 7.0901
YIQ	111.1830, -60.9180, -85.4460

# Conversions

## Conversions Part 2

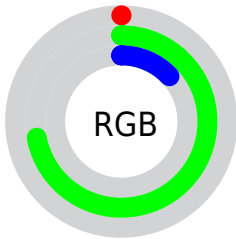
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">0, 155, 183</a>
Decimal	<a href="#">46881</a>
CIELab	<a href="#">64.94, -66.04, 59.10</a>
CIELCh	<a href="#">65, 88.621, 138.176</a>
Yxy	<a href="#">33.9768, 0.2953, 0.5830</a>
Android (android.graphics.Color)	<a href="#">4278236961 (0xFF00B721)</a>
YUV	<a href="#">111.1830, -38.5442, -97.5075</a>
Hunter-Lab	<a href="#">58.2896, -49.3108, 33.5910</a>

# Details

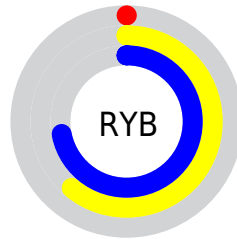
The Hex color **00B721** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **B70096**, and the grayscale version is **707070**.

A 20% lighter version of the original color is **62F05B**, and **008000** is the 20% darker color. If you saturate the color by 10%, you get **00B721**, and if you desaturate by 10%, it is **12B730**.

# Distribution



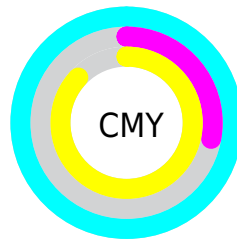
- Red (0%)
- Green (72%)
- Blue (13%)



- Red (0%)
- Yellow (61%)
- Blue (72%)



- Cyan (100%)
- Magenta (0%)
- Yellow (82%)
- Black (28%)



- Cyan (100%)
- Magenta (28%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00B721 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 00B721 by changing the saturation by 10% instead.



 00B721

 00B721

FFFFFF

 009B00

 62F05B

 008000

 82FF77

 006600

 A1FF92

 004C00

 C0FFAE

 003500

 DEFFCB

 001A00

 FDFFE8

 000000

 00B721

 12B730

 25B73F

 37B74E

 49B75D

 5CB76C

 6EB77B

 80B78A

 92B799

 A5B7A8

# Harmonies

## Analogous

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



91A800



00B721



00BE7A

# Triad

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



00B721



00B0FF



FF3D72

# Complementary

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



00B721



B70096

# 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.



FF3FC0



00B721



3397FF

# Square

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



00B721



00BDFE



DB6EFF



FF6823

# Rectangle

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



00B721



00C0B2



DB6EFF



FF358C



# Sweetspot

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



00B721



A6EDB3



99B700



4D7854



F7F7F7



787878



# Same Dimension

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



00B721



00ED2B



00B77A



535C54



009C1C



001C05



# Inverse Universe

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



B70096



ED00C2



B7003D



5C535A



9C0080

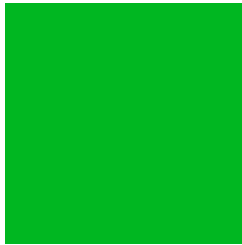


1C0017



# Previews

## White Background



This preview shows how the Hex color 00B721 looks on a white background.

## Color Contrast Check

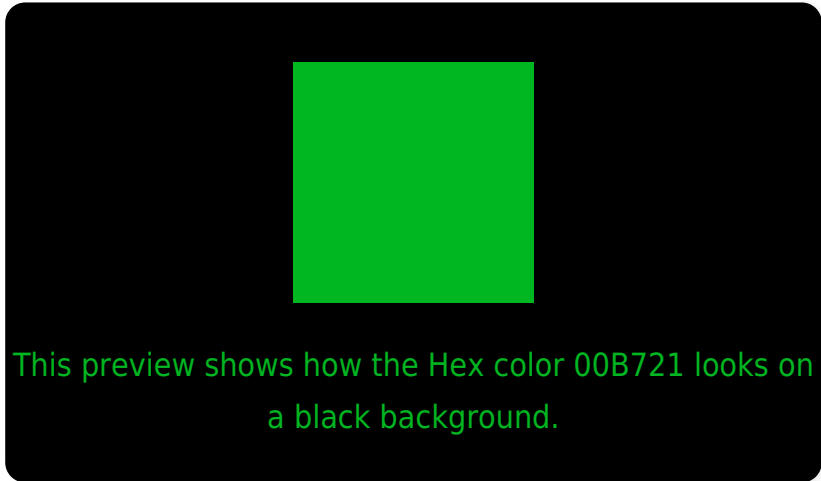
Large Text (above 18pt) WCAG AA × Fail

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

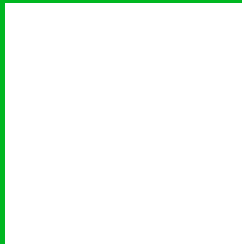
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 00B721 Background



This preview shows how black text looks on a background with the Hex color 00B721.



This preview shows how white text looks on a background with the Hex color 00B721.

# 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



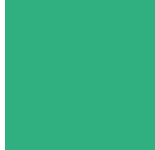
**Original Color**  
00B721



**Protanomaly**  
70A61D



**Deuteranomaly**  
7DA12C



**Tritanomaly**  
30AF81

# Monochromacy



**Original Color**  
00B721



**Achromatopsia**  
6F6F6F



**Achromatomaly**  
478953

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00B721 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 #00B721 looks like.

```
.text, #text, p{  
    color:#00B721  
}
```

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 #00B721 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00B721
}
```

## Border

The CSS property to change the border of an element to Hex 00B721 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
#00B721 }
```

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

```
.border{ border-color:#00B721 }
```

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

Here you see how a box with a 4 pixel #00B721 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00B721; -webkit-box-shadow:4px 4px  
4px 4px #00B721; box-shadow:4px 4px 4px  
4px #00B721 }
```

# Background

The CSS property to change the background color of an element to Hex 00B721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00B721 }
```

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

```
.background{ background-color:#00B721 }
```

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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