

# Converting Colors

Hex(00B023)

Have a look what the booklet for  
Hex(00B023) contains.

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**Color**

**Hex(00B023)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00B023
RGB	0, 176, 35
RGB Percent	0%, 69%, 14%
CMY	1.0000, 0.3098, 0.8627
CMYK	1.00, 0.00, 0.80, 0.31
HSL	132°, 100%, 35%
HSV	132°, 100%, 69%
XYZ	15.8287, 31.1720, 6.7727
YIQ	107.3020, -59.6350, -81.1630

# Conversions

## Conversions Part 2

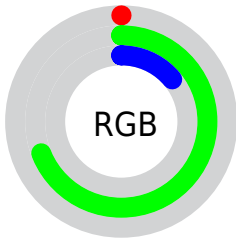
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 147, 176
Decimal	45091
CIELab	62.65, -63.93, 56.36
CIELCh	63, 85.230, 138.599
Yxy	31.1720, 0.2944, 0.5797
Android (android.graphics.Color)	4278235171 (0xFF00B023)
YUV	107.3020, -35.6449, -94.1039
Hunter-Lab	55.8319, -47.0999, 31.8902

# Details

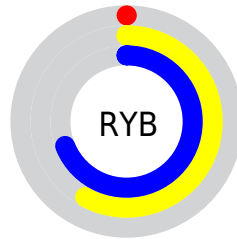
The Hex color **00B023** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **B0008D**, and the grayscale version is **6C6C6C**.

A 20% lighter version of the original color is **60E95C**, and **007A00** is the 20% darker color. If you saturate the color by 10%, you get **00B023**, and if you desaturate by 10%, it is **12B031**.

# Distribution



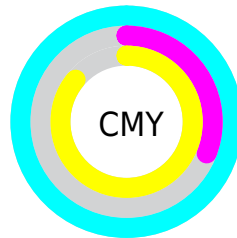
- Red (0%)
- Green (69%)
- Blue (14%)



- Red (0%)
- Yellow (58%)
- Blue (69%)



- Cyan (100%)
- Magenta (0%)
- Yellow (80%)
- Black (31%)



- Cyan (100%)
- Magenta (31%)
- Yellow (86%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00B023 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 00B023 by changing the saturation by 10% instead.



 00B023

 00B023

FFFFFF

 009400

 60E95C

 007A00

 7FFF77

 005F00

 9EFF92

 004600

 BCFFAE

 002F00

 DBFFCA

 001100

 F9FFE7

 000000

 00B023

 12B031

 23B03F

 35B04D

 46B05B

 58B06A

 6AB078

 7BB086

 8DB094

 9EB0A2

# Harmonies

## Analogous

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



8BA200



00B023



00B777

# Triad

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



00B023



00A9FF



FF3D6C

# Complementary

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



00B023



B0008D

# 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.



FF3EB8



00B023



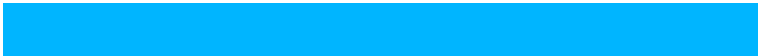
3B90FF

# Square

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



00B023



00B5FF



D369FD



FF6521

# Rectangle

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



00B023



00B8AC



D369FD



FF3685



# Sweetspot

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



00B023



A1E6AE



90B000



497352



F2F2F2



737373



# Same Dimension

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



00B023



00E62E



00B078



505952



00991E



001A05



# Inverse Universe

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



B0008D



E600B8



B00038



595057



99007B

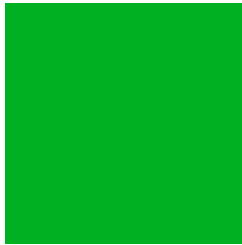


1A0014



# Previews

## White Background



This preview shows how the Hex color 00B023 looks on a white background.

## Color Contrast Check

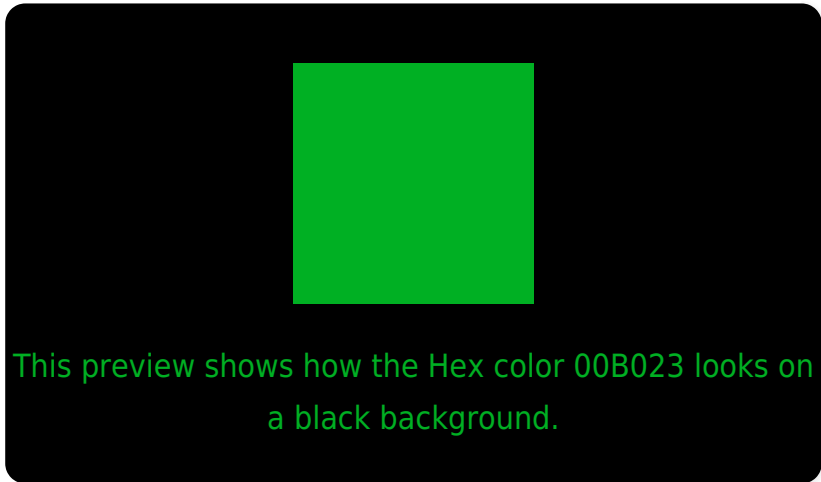
Large Text (above 18pt) WCAG AA × Fail

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 00B023 Background



This preview shows how black text looks on a background with the Hex color 00B023.

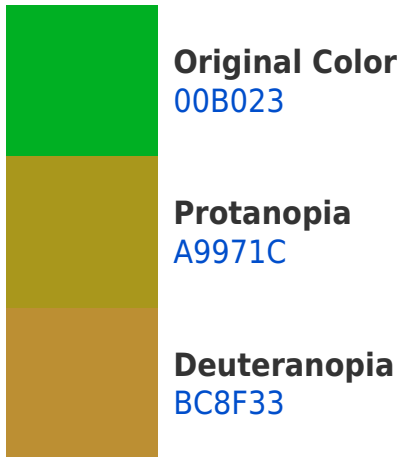


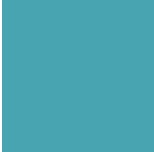
This preview shows how white text looks on a background with the Hex color 00B023.

# 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**  
49A4B1

# Trichromacy



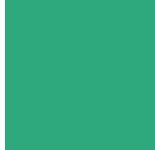
**Original Color**  
00B023



**Protanomaly**  
6CA01F



**Deuteranomaly**  
789B2D



**Tritanomaly**  
2EA87D

# Monochromacy



**Original Color**  
00B023



**Achromatopsia**  
6B6B6B



**Achromatomaly**  
448451

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00B023 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 #00B023 looks like.

```
.text, #text, p{  
    color:#00B023  
}
```

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 #00B023 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00B023
}
```

## Border

The CSS property to change the border of an element to Hex 00B023 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".

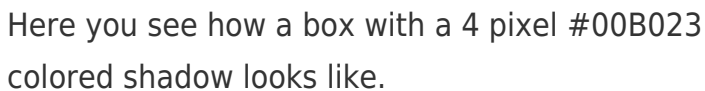
```
.border, #border, table{ border:4px solid
#00B023 }
```

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

```
.border{ border-color:#00B023 }
```

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

Here you see how a box with a 4 pixel #00B023 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00B023; -webkit-box-shadow:4px 4px  
4px 4px #00B023; box-shadow:4px 4px 4px  
4px #00B023 }
```

# Background

The CSS property to change the background color of an element to Hex 00B023 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00B023 }
```

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

```
.background{ background-color:#00B023 }
```

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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