

Converting Colors

Hex(00B227)

Have a look what the booklet for
Hex(00B227) contains.

Hex(00B227)	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(00B227)

Conversions

Conversions Part 1

Format	Color
Hex	00B227
RGB	0, 178, 39
RGB Percent	0%, 70%, 15%
CMY	1.0000, 0.3020, 0.8471
CMYK	1.00, 0.00, 0.78, 0.30
HSL	133°, 100%, 35%
HSV	133°, 100%, 70%
XYZ	16.2866, 31.9873, 7.2352
YIQ	108.9320, -61.4690, -80.9650

Conversions

Conversions Part 2

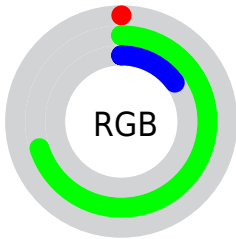
Format	Color
RYB	0, 146, 178
Decimal	45607
CIELab	63.33, -64.23, 55.77
CIELCh	63, 85.068, 139.033
Yxy	31.9873, 0.2934, 0.5763
Android (android.graphics.Color)	4278235687 (0xFF00B227)
YUV	108.9320, -34.4765, -95.5334
Hunter-Lab	56.5573, -47.5732, 32.0053

Details

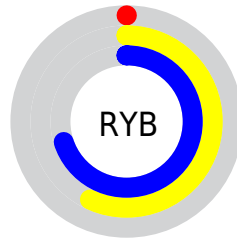
The Hex color **00B227** is a dark color, and the websafe version is hex **009900**. A complement of this color would be **B2008B**, and the grayscale version is **6D6D6D**.

A 20% lighter version of the original color is **60EB5F**, and **007C00** is the 20% darker color. If you saturate the color by 10%, you get **00B227**, and if you desaturate by 10%, it is **12B235**.

Distribution



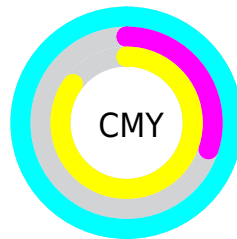
- Red (0%)
- Green (70%)
- Blue (15%)



- Red (0%)
- Yellow (57%)
- Blue (70%)



- Cyan (100%)
- Magenta (0%)
- Yellow (78%)
- Black (30%)



- Cyan (100%)
- Magenta (30%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the Hex color 00B227 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 00B227 by changing the saturation by 10% instead.

 00B227

 00B227

FFFFFF

 009600

 60EB5F

 007C00

 80FF7A

 006100

 9FFF95

 004800

 BDFFB1

 003100

 DBFFCE

 001400

 FAFFEB

 000000

 00B227

 12B235

 24B243

 35B251

 47B25F

 59B26D

 6BB27A

 7DB288

 8EB296

 A0B2A4

Harmonies

Analogous

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



8CA400



00B227



00B97A

Triad

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



00B227



00ABFF



FF416D

Complementary

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



00B227



B2008B

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.



FF41B9



00B227



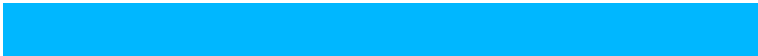
4492FF

Square

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



00B227



00B7FF



D66BFE



FF6822

Rectangle

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



00B227



00BAAF



D66BFE



FF3986

Sweetspot

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



00B227



A2E8B2



8BB200



4B7554



F5F5F5



757575

Same Dimension

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



00B227



00E833



00B280



505952



009922



001A06

Inverse Universe

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



B2008B



E800B5



B20032



595057



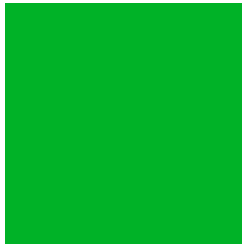
990077



1A0014

Previews

White Background



This preview shows how the Hex color 00B227 looks on a white background.

Color Contrast Check

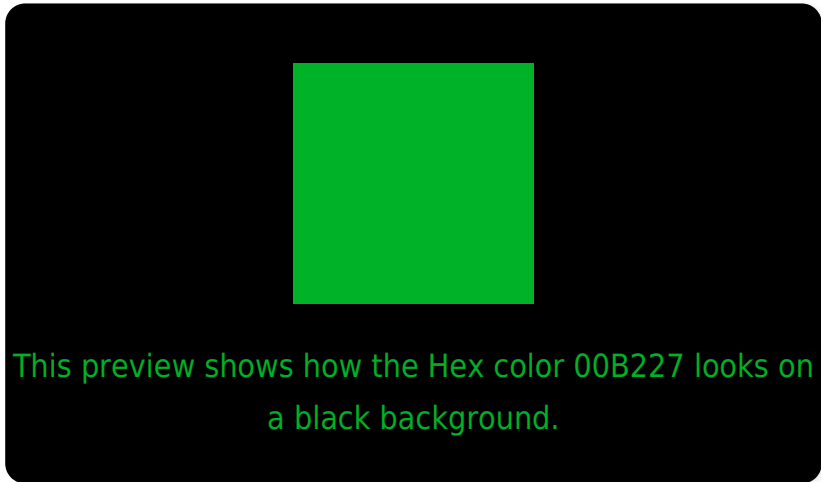
Large Text (above 18pt) WCAG AA × Fail

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 00B227 Background



This preview shows how black text looks on a background with the Hex color 00B227.



This preview shows how white text looks on a background with the Hex color 00B227.

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
4AA6B3

Trichromacy



Original Color
00B227



Protanomaly
6DA223



Deuteranomaly
799D31



Tritanomaly
2FAA80

Monochromacy



Original Color
00B227



Achromatopsia
6D6D6D



Achromatomaly
458654

CSS Examples

Text

The CSS property to change the color of the text to Hex 00B227 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 #00B227 looks like.

```
.text, #text, p{  
    color:#00B227  
}
```

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 #00B227 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00B227
}
```

Border

The CSS property to change the border of an element to Hex 00B227 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
#00B227 }
```

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

```
.border{ border-color:#00B227 }
```

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

Here you see how a box with a 4 pixel #00B227 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00B227; -webkit-box-shadow:4px 4px  
4px 4px #00B227; box-shadow:4px 4px 4px  
4px #00B227 }
```

Background

The CSS property to change the background color of an element to Hex 00B227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00B227 }
```

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

```
.background{ background-color:#00B227 }
```

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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