

# Converting Colors

Hex(00B557)

Have a look what the booklet for  
Hex(00B557) contains.

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# **Color**

**Hex(00B557)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00B557
RGB	0, 181, 87
RGB Percent	0%, 71%, 34%
CMY	1.0000, 0.2902, 0.6588
CMYK	1.00, 0.00, 0.52, 0.29
HSL	149°, 100%, 35%
HSV	149°, 100%, 71%
XYZ	18.2442, 33.7359, 14.5669
YIQ	116.1650, -77.7020, -67.6060

# Conversions

## Conversions Part 2

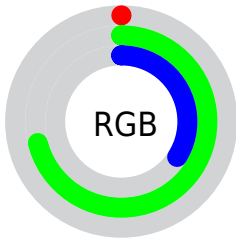
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 122, 181
Decimal	46423
CIELab	64.75, -59.65, 36.94
CIElCh	65, 70.158, 148.230
Yxy	33.7359, 0.2742, 0.5069
Android (android.graphics.Color)	4278236503 (0xFF00B557)
YUV	116.1650, -14.3783, -101.8767
Hunter-Lab	58.0826, -45.5763, 25.7881

# Details

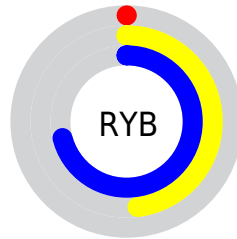
The Hex color **00B557** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **B5005E**, and the grayscale version is **747474**.

A 20% lighter version of the original color is **5FEE8B**, and **007E26** is the 20% darker color. If you saturate the color by 10%, you get **00B557**, and if you desaturate by 10%, it is **12B560**.

# Distribution



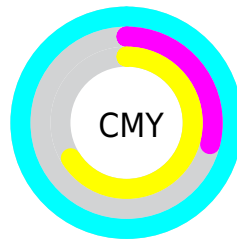
- Red (0%)
- Green (71%)
- Blue (34%)



- Red (0%)
- Yellow (48%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (52%)
- Black (29%)



- Cyan (100%)
- Magenta (29%)
- Yellow (66%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00B557 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 00B557 by changing the saturation by 10% instead.



 00B557

 00B557

FFFFFF

 00993E

 5FEE8B

 007E26

 7EFAA6

 00640B

 9DFFC1

 004B00

 BBFFDD

 003400

 D9FFFA

 001900

 F8FFFF

 000000

 00B557

 12B560

 24B56A

 36B573

 48B57D

 5BB586

 6DB58F

 7FB599

 91B5A2

 A3B5AC

# Harmonies

## Analogous

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



81AB1B



00B557



00BA97

# Triad

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



00B557



00A6FF



FF6666

# Complementary

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



00B557



B5005E

# 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.



FF5DA4



00B557



948EFF

# Square

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



00B557



00B4FF



E571E0



EE802E

# Rectangle

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



00B557



00BAC3



E571E0



FF607A



# Sweetspot

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



00B557



A4EBC6



61B500



4B755F



F5F5F5



757575



# Same Dimension

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



00B557



00EB71



00B5AF



505955



00994A



001A0C



# Inverse Universe

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



B5005E



EB007A



B50006



595055



99004F



1A000D



# Previews

## White Background



This preview shows how the Hex color 00B557 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



This preview shows how the Hex color 00B557 looks on a 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 00B557 Background



This preview shows how black text looks on a background with the Hex color 00B557.

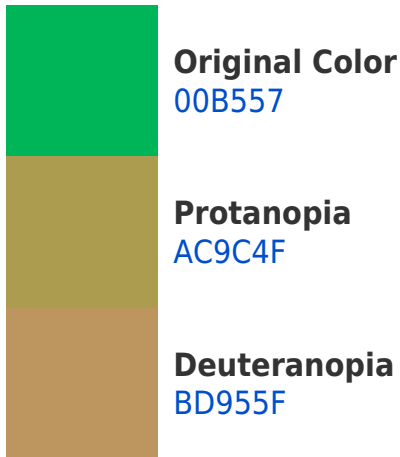


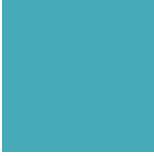
This preview shows how white text looks on a background with the Hex color 00B557.

# 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**  
46AAB8

# Trichromacy



**Original Color**  
00B557



**Protanomaly**  
6DA552



**Deuteranomaly**  
78A15C



**Tritanomaly**  
2DAE95

# Monochromacy



**Original Color**  
00B557



**Achromatopsia**  
747474



**Achromatomaly**  
4A8C69

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00B557 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 #00B557 looks like.

```
.text, #text, p{  
    color:#00B557  
}
```

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 #00B557 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00B557
}
```

## Border

The CSS property to change the border of an element to Hex 00B557 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
#00B557 }
```

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

```
.border{ border-color:#00B557 }
```

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

Here you see how a box with a 4 pixel #00B557 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00B557; -webkit-box-shadow:4px 4px  
4px 4px #00B557; box-shadow:4px 4px 4px  
4px #00B557 }
```

# Background

The CSS property to change the background color of an element to Hex 00B557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00B557 }
```

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

```
.background{ background-color:#00B557 }
```

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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