

# Converting Colors

Hex(00B46E)

Have a look what the booklet for  
Hex(00B46E) contains.

|                                                |    |
|------------------------------------------------|----|
| <b>Hex(00B46E)</b> .....                       | 3  |
| <i><b>Conversions</b></i> .....                | 4  |
| <i><b>Details</b></i> .....                    | 6  |
| <i><b>Harmonies</b></i> .....                  | 11 |
| <i><b>Previews</b></i> .....                   | 23 |
| <i><b>Color Blindness Simulation</b></i> ..... | 26 |
| <i><b>CSS Examples</b></i> .....               | 29 |

# Color

Hex(00B46E)

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 00B46E                       |
| RGB         | 0, 180, 110                  |
| RGB Percent | 0%, 71%, 43%                 |
| CMY         | 1.0000, 0.2941, 0.5686       |
| CMYK        | 1.00, 0.00, 0.39, 0.29       |
| HSL         | 157°, 100%, 35%              |
| HSV         | 157°, 100%, 71%              |
| XYZ         | 19.1357, 33.7683, 20.2612    |
| YIQ         | 118.2000, -84.8100, -59.9300 |

# Conversions

## Conversions Part 2

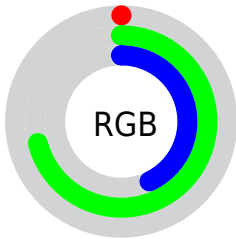
| <b>Format</b>                       | <b>Color</b>                    |
|-------------------------------------|---------------------------------|
| <b>RYB</b>                          | 0, 112, 180                     |
| Decimal                             | 46190                           |
| CIELab                              | 64.78, -55.13, 25.09            |
| CIELCh                              | 65, 60.575, 155.530             |
| Yxy                                 | 33.7683, 0.2615,<br>0.4615      |
| Android<br>(android.graphics.Color) | 4278236270<br>(0xFF00B46E)      |
| YUV                                 | 118.2000, -4.0426,<br>-103.6614 |
| Hunter-Lab                          | 58.1105, -42.9135,<br>20.0049   |

# Details

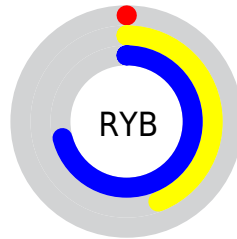
The Hex color **00B46E** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **B40046**, and the grayscale version is **767676**.

A 20% lighter version of the original color is **5FEDA2**, and **007E3D** is the 20% darker color. If you saturate the color by 10%, you get **00B46E**, and if you desaturate by 10%, it is **12B475**.

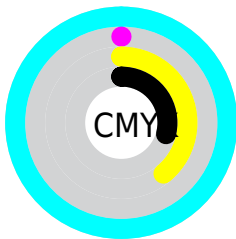
# Distribution



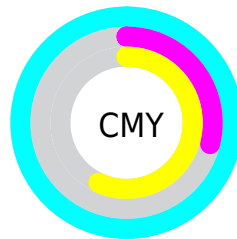
- Red (0%)
- Green (71%)
- Blue (43%)



- Red (0%)
- Yellow (44%)
- Blue (71%)



- Cyan (100%)
- Magenta (0%)
- Yellow (39%)
- Black (29%)



- Cyan (100%)
- Magenta (29%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00B46E 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 00B46E by changing the saturation by 10% instead.



 00B46E

 00B46E

FFFFFF

 009855

 5FEDA2

 007E3D

 7EFFBD

 006426

 9CFFD9

 004A10

 BAFFF6

 003300

 D8FFFF

 001900

 F7FFFF

 000000

 00B46E

 12B475

 24B47C

 36B483

 48B48A

 5AB491

 6CB498

 7EB49F

 90B4A6

 A2B4AD

# Harmonies

## Analogous

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



78AC3E



00B46E



00B7A6

# Triad

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



00B46E



34A0FF



FA7561

# Complementary

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



00B46E



B40046

# 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.



FF6A95



00B46E



AC8AF6

# Square

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



00B46E



00AFFF



E774CB



DD8A37

# Rectangle

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



00B46E



00B7CA



E774CB



FE6F72



# Sweetspot

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



00B46E



A4EBCF



48B400



4B7565



F5F5F5



757575



# Same Dimension

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



00B46E



00EB8F



00A2B4



505956



00995E



001A10



# Inverse Universe

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



B40046



EB005B



B41200



595054



99003C



1A000A



# Previews

## White Background



This preview shows how the Hex color 00B46E looks on a white background.

## Color Contrast Check

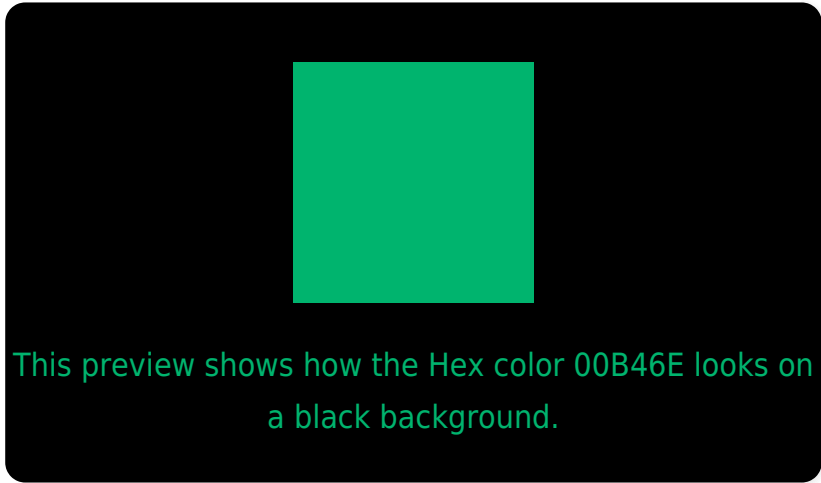
Large Text (above 18pt) WCAG AA × Fail

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 00B46E Background



This preview shows how black text looks on a background with the Hex color 00B46E.

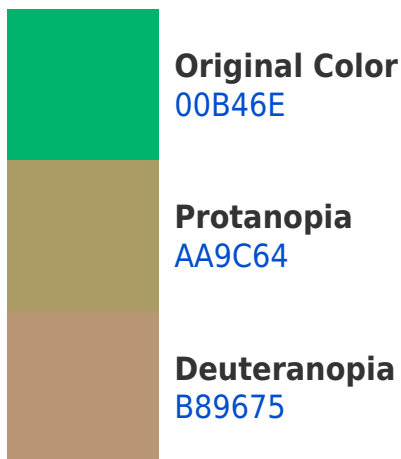


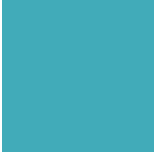
This preview shows how white text looks on a background with the Hex color 00B46E.

# 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**  
41ABB9

# Trichromacy



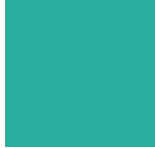
**Original Color**  
00B46E



**Protanomaly**  
6CA568



**Deuteranomaly**  
75A172



**Tritanomaly**  
29AE9E

# Monochromacy



**Original Color**  
00B46E



**Achromatopsia**  
767676



**Achromatomaly**  
4B8D73

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00B46E 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 #00B46E looks like.

```
.text, #text, p{  
    color:#00B46E  
}
```

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 #00B46E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00B46E
}
```

## Border

The CSS property to change the border of an element to Hex 00B46E 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
#00B46E }
```

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

```
.border{ border-color:#00B46E }
```

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

Here you see how a box with a 4 pixel #00B46E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00B46E; -webkit-box-shadow:4px 4px  
4px 4px #00B46E; box-shadow:4px 4px 4px  
4px #00B46E }
```

# Background

The CSS property to change the background color of an element to Hex 00B46E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00B46E }
```

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

```
.background{ background-color:#00B46E }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor