

# Converting Colors

Hex(BBC76B)

Have a look what the booklet for  
Hex(BBC76B) contains.

<b>Hex(BBC76B)</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(BBC76B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBC76B
RGB	187, 199, 107
RGB Percent	73%, 78%, 42%
CMY	0.2667, 0.2196, 0.5804
CMYK	0.06, 0.00, 0.46, 0.22
HSL	68°, 45%, 60%
HSV	68°, 46%, 78%
XYZ	43.5708, 52.4732, 21.7418
YIQ	184.9240, 22.3800, -31.1560

# Conversions

## Conversions Part 2

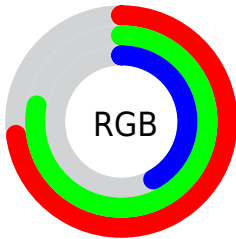
<b>Format</b>	<b>Color</b>
<b>RYB</b>	107, 199, 119
Decimal	12306283
CIELab	77.56, -17.76, 44.42
CIELCh	78, 47.836, 111.795
Yxy	52.4732, 0.3699, 0.4455
Android (android.graphics.Color)	4290496363 (0xFFBBC76B)
YUV	184.9240, -38.4165, 1.8207
Hunter-Lab	72.4384, -19.4016, 32.9114

# Details

The Hex color **BBC76B** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **776BC7**, and the grayscale version is **B9B9B9**.

A 20% lighter version of the original color is **F5FFA0**, and **849138** is the 20% darker color. If you saturate the color by 10%, you get **B8C757**, and if you desaturate by 10%, it is **BEC77F**.

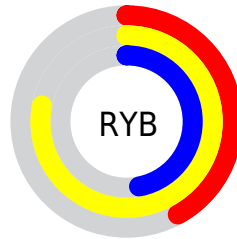
# Distribution



Red (73%)

Green (78%)

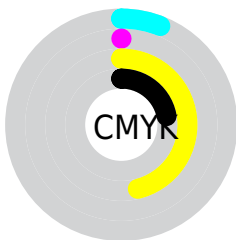
Blue (42%)



Red (42%)

Yellow (78%)

Blue (47%)

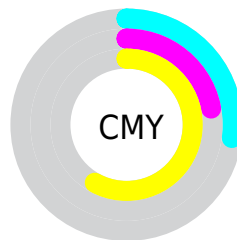


Cyan (6%)

Magenta (0%)

Yellow (46%)

Black (22%)



Cyan (27%)

Magenta (22%)

Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Hex color BBC76B 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 BBC76B by changing the saturation by 10% instead.



 BBC76B

 BBC76B

FFFFFF

 9FAC51

 F5FFA0

 849138

 FFFFBC

 6A781F

 FFFFFD8

 505F00

 FFFFF5

 374700

 1E3100

 001D00

 000000

 BBC76B

 BBC76B

 B8C757

 BEC77F

 B6C743

 C0C793

 B3C72F

 C3C7A7

 B1C71B

 C5C7BB

 AEC708

 C8C7CF

 ADC700

 CBC7E2

 CDC7F6

 D0C7FF

 D2C7FF

# Harmonies

## Analogous

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



E6B967



BBC76B



87D187

# Triad

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



BBC76B



00D2FF



FF9DCE

# Complementary

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



BBC76B



776BC7

# 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.



EBA8F7



BBC76B



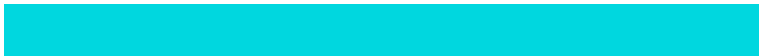
5EC8FF

# Square

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



BBC76B



00D7DF



B1B9FF



FF9EA1

# Rectangle

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



BBC76B



5DD5A2



B1B9FF



FFA0DC



# Sweetspot

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



BBC76B



FAFFDB



C7766B



7D806A



000000



808080



# Same Dimension

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



BBC76B



EDFF73



8EC76B



62635A



8EA300



1F2400



# Inverse Universe

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



776BC7



8573FF



A46BC7



5B5A63



1500A3



050024



# Previews

## White Background



This preview shows how the Hex color BBC76B looks on a white background.

## Color Contrast Check

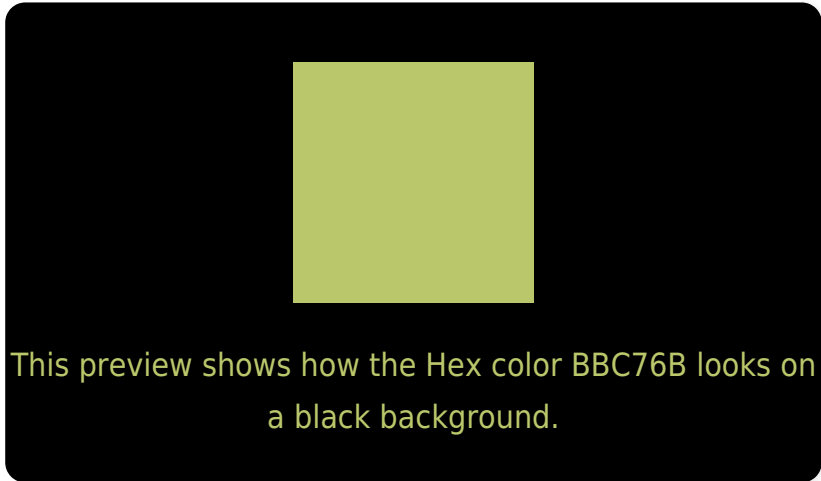
Large Text (above 18pt) WCAG AA × Fail

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 BBC76B Background



This preview shows how black text looks on a background with the Hex color BBC76B.



This preview shows how white text looks on a background with the Hex color BBC76B.

# Color Blindness Simulation

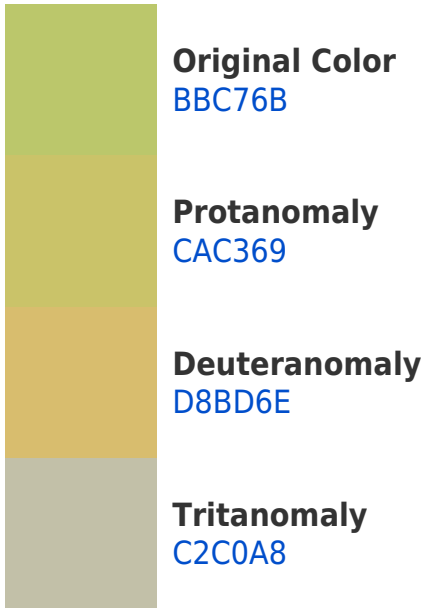
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy





# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex BBC76B 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 #BBC76B looks like.

```
.text, #text, p{  
    color:#BBC76B  
}
```

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 #BBC76B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #BBC76B
}
```

## Border

The CSS property to change the border of an element to Hex BBC76B 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
#BBC76B }
```

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

```
.border{ border-color:#BBC76B }
```

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

Here you see how a box with a 4 pixel #BBC76B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #BBC76B; -webkit-box-shadow:4px 4px  
4px 4px #BBC76B; box-shadow:4px 4px 4px  
4px #BBC76B }
```

# Background

The CSS property to change the background color of an element to Hex BBC76B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#BBC76B }
```

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

```
.background{ background-color:#BBC76B }
```

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