

# Converting Colors

Hex(BBC02F)

Have a look what the booklet for  
Hex(BBC02F) contains.

<b>Hex(BBC02F)</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(BBC02F)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBC02F
RGB	187, 192, 47
RGB Percent	73%, 75%, 18%
CMY	0.2667, 0.2471, 0.8157
CMYK	0.03, 0.00, 0.76, 0.25
HSL	62°, 61%, 47%
HSV	62°, 76%, 75%
XYZ	39.8562, 48.4693, 9.9442
YIQ	173.9750, 43.5650, -46.1550

# Conversions

## Conversions Part 2

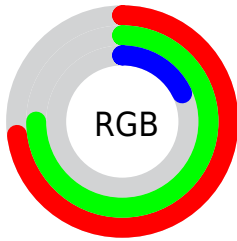
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">47, 192, 52</a>
Decimal	<a href="#">12304431</a>
CIELab	<a href="#">75.12, -18.51, 67.04</a>
CIELCh	<a href="#">75, 69.546, 105.439</a>
Yxy	<a href="#">48.4693, 0.4056, 0.4932</a>
Android (android.graphics.Color)	<a href="#">4290494511</a> ( <a href="#">0xFFBBC02F</a> )
YUV	<a href="#">173.9750, -62.5987, 11.4229</a>
Hunter-Lab	<a href="#">69.6199, -19.6465, 40.2652</a>

# Details

The Hex color **BBC02F** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle muted chartreuse. A complement of this color would be **342FC0**, and the grayscale version is **AFAFAF**.

A 20% lighter version of the original color is **F6F869**, and **828B00** is the 20% darker color. If you saturate the color by 10%, you get **BAC01C**, and if you desaturate by 10%, it is **BCC042**.

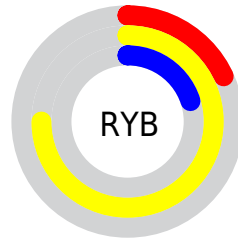
# Distribution



Red (73%)

Green (75%)

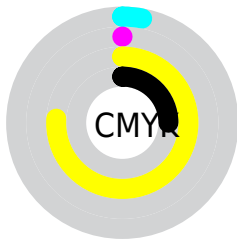
Blue (18%)



Red (18%)

Yellow (75%)

Blue (20%)

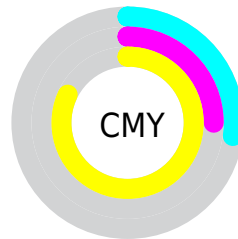


Cyan (3%)

Magenta (0%)

Yellow (76%)

Black (25%)



Cyan (27%)

Magenta (25%)

Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the Hex color BBC02F 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 BBC02F by changing the saturation by 10% instead.



 BBC02F

 BBC02F

FFFFFF

 9EA504

 F6F869

 828B00

 FFFF84

 667100

 FFFFA0

 4B5900

 FFFFBD

 304200

 FFFFDA

 172C00

 FFFFF7

 001900

 000000

 BBC02F

 BBC02F

 BAC01C

 BCC042

 BAC009

 BCC055

 B9C000

 BDC069

 BEC07C

 BEC08F

 BFC0A2

 C0C0B5

 C0C0C9

 C1C0DC

# Harmonies

## Analogous

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



F4AB34



BBC02F



71CE59

# Triad

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



BBC02F



00D4FF



FF82DB

# Complementary

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



BBC02F



342FC0

# 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.



E69AFF



BBC02F



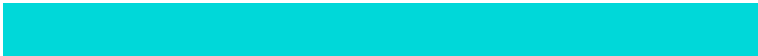
00C9FF

# Square

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



BBC02F



00D8D9



7DB5FF



FF7E9A

# Rectangle

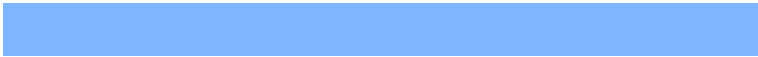
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



BBC02F



00D481



7DB5FF



FF88EF



# Sweetspot

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



BBC02F



F8FAC0



C0342F



7C7D5A



FCFCFC



7D7D7D



# Same Dimension

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



BBC02F



F2FA16



73C02F



616157



9BA100



202100



# Inverse Universe

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



342FC0



1E16FA



7C2FC0



585761



0600A1



010021



# Previews

## White Background



This preview shows how the Hex color BBC02F looks on a white background.

## Color Contrast Check

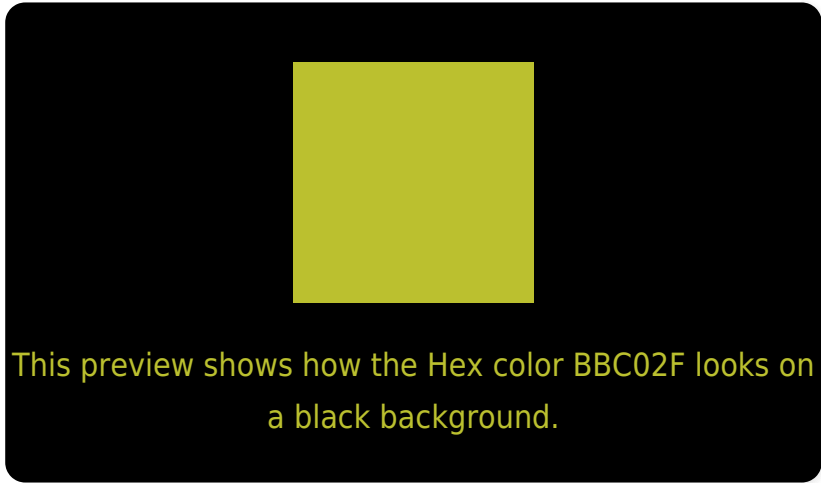
Large Text (above 18pt) WCAG AA × Fail

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 BBC02F Background



This preview shows how black text looks on a background with the Hex color BBC02F.



This preview shows how white text looks on a background with the Hex color BBC02F.

# 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



**Original Color**  
BBC02F

**Protanopia**  
D0B92D

**Deuteranopia**  
E8AF36



**Tritanopia**  
C8B3C1

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex BBC02F 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 #BBC02F looks like.

```
.text, #text, p{  
    color:#BBC02F  
}
```

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 #BBC02F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #BBC02F
}
```

## Border

The CSS property to change the border of an element to Hex BBC02F 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
#BBC02F }
```

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

```
.border{ border-color:#BBC02F }
```

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

Here you see how a box with a 4 pixel #BBC02F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #BBC02F; -webkit-box-shadow:4px 4px  
4px 4px #BBC02F; box-shadow:4px 4px 4px  
4px #BBC02F }
```

# Background

The CSS property to change the background color of an element to Hex BBC02F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#BBC02F }
```

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

```
.background{ background-color:#BBC02F }
```

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