

# Converting Colors

Hex(BBCE31)

Have a look what the booklet for  
Hex(BBCE31) contains.

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**Color**

**Hex(BBCE31)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBCE31
RGB	187, 206, 49
RGB Percent	73%, 81%, 19%
CMY	0.2667, 0.1922, 0.8078
CMYK	0.09, 0.00, 0.76, 0.19
HSL	67°, 62%, 50%
HSV	67°, 76%, 81%
XYZ	43.1192, 54.9292, 11.2355
YIQ	182.4210, 39.0730, -52.8550

# Conversions

## Conversions Part 2

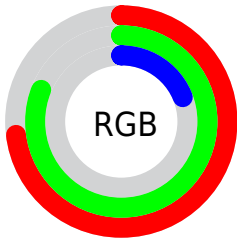
Format	Color
R <sub>Y</sub> B	49, 206, 68
Decimal	12308017
CIE Lab	79.00, -25.29, 69.99
CIE LCh	79, 74.416, 109.870
Yxy	54.9292, 0.3946, 0.5026
Android (android.graphics.Color)	4290498097 (0xFFBBCE31)
YUV	182.4210, -65.7766, 4.0158
Hunter-Lab	74.1142, -25.8496, 42.8918

# Details

The Hex color **BBCE31** 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 **4431CE**, and the grayscale version is **B7B7B7**.

A 20% lighter version of the original color is **F6FF6C**, and **829800** is the 20% darker color. If you saturate the color by 10%, you get **B9CE1C**, and if you desaturate by 10%, it is **BDCE46**.

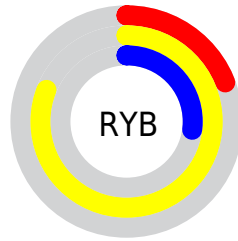
# Distribution



Red (73%)

Green (81%)

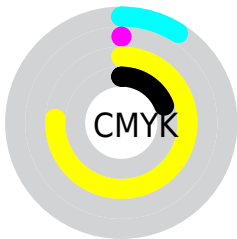
Blue (19%)



Red (19%)

Yellow (81%)

Blue (27%)

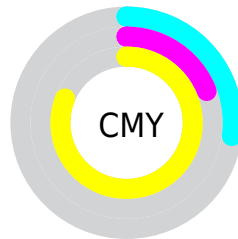


Cyan (9%)

Magenta (0%)

Yellow (76%)

Black (19%)



Cyan (27%)

Magenta (19%)

Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color BBCE31 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 BBCE31 by changing the saturation by 10% instead.



 BBCE31

 BBCE31

FFFFFF

 9EB304

 F6FF6C

 829800

 FFFF88

 667E00

 FFFFA4

 4B6500

 FFFF80

 2F4D00

 FFFFDE

 133600

FFFFFFC

 002100

 000000

 BBCE31

 BBCE31

 B9CE1C

 BDCE46

 B6CE08

 C0CE5A

 B5CE00

 C2CE6F

 C5CE83

 C7CE98

 CACEAD

 CCCEC1

 CFCED6

 D1CEEA

# Harmonies

## Analogous

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



FBB82D



BBCE31



65DC65

# Triad

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



BBCE31



00E0FF



FF85DE

# Complementary

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



BBCE31



4431CE

# 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.



FF9DFF



BBCE31



00D2FF

# Square

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



BBCE31



00E5F1



98BBFF



FF8599

# Rectangle

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



BBCE31



00E191



98BBFF



FF8BF5



# Sweetspot

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



BBCE31



F8FFC4



CE4331



7B805C



000000



808080



# Same Dimension

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



BBCE31



E3FF17



6DCE31



65665C



92A600



222600



# Inverse Universe

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



4431CE



3317FF



9231CE



5D5C66



1400A6



050026



# Previews

## White Background



This preview shows how the Hex color BBCE31 looks on a white background.

## Color Contrast Check

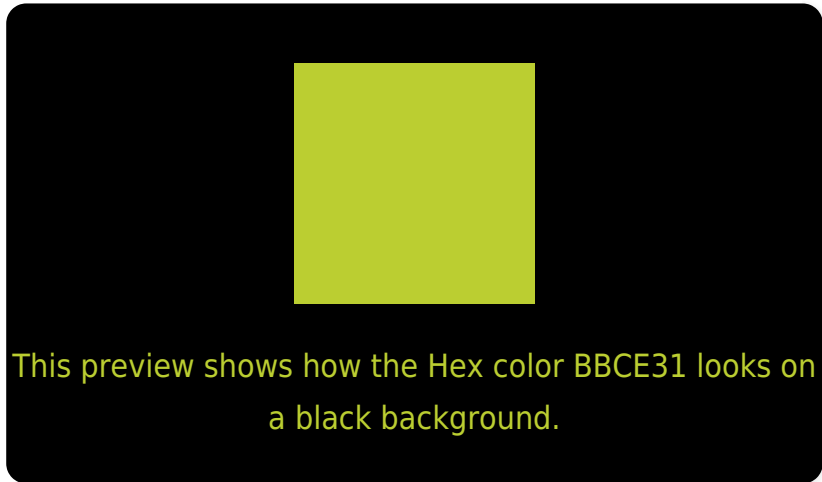
Large Text (above 18pt) WCAG AA × Fail

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 BBCE31 Background



This preview shows how black text looks on a background with the Hex color BBCE31.



This preview shows how white text looks on a background with the Hex color BBCE31.

# 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



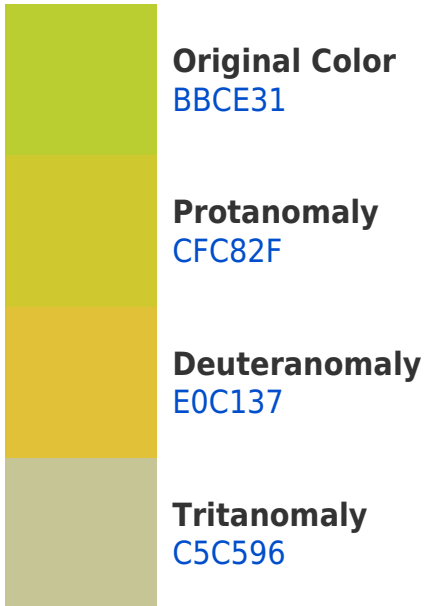
**Original Color**  
BBCE31

**Protanopia**  
DBC42E

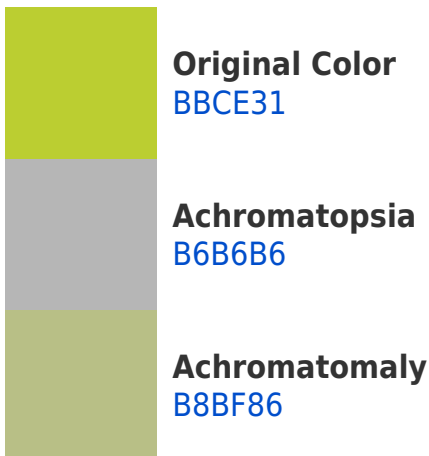
**Deuteranopia**  
F5B93A



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex BBCE31 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 #BBCE31 looks like.

```
.text, #text, p{  
    color:#BBCE31  
}
```

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 #BBCE31 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #BBCE31
}
```

## Border

The CSS property to change the border of an element to Hex BBCE31 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
#BBCE31 }
```

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

```
.border{ border-color:#BBCE31 }
```

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

Here you see how a box with a 4 pixel #BBCE31 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #BBCE31; -webkit-box-shadow:4px 4px  
4px 4px #BBCE31; box-shadow:4px 4px 4px  
4px #BBCE31 }
```

# Background

The CSS property to change the background color of an element to Hex BBCE31 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#BBCE31 }
```

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

```
.background{ background-color:#BBCE31 }
```

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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