

# Converting Colors

Hex(BBEC2D)

Have a look what the booklet for  
Hex(BBEC2D) contains.

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# Color

**Hex(BBEC2D)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BBEC2D
RGB	187, 236, 45
RGB Percent	73%, 93%, 18%
CMY	0.2667, 0.0745, 0.8235
CMYK	0.21, 0.00, 0.81, 0.07
HSL	75°, 83%, 55%
HSV	75°, 81%, 93%
XYZ	50.9626, 70.7452, 13.4518
YIQ	199.5750, 32.1070, -69.7890

# Conversions

## Conversions Part 2

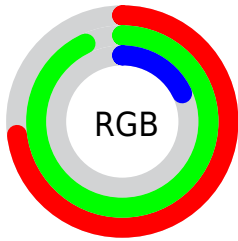
<b>Format</b>	<b>Color</b>
<b>RYB</b>	45, 236, 94
Decimal	12315693
CIELab	87.36, -39.32, 78.60
CIELCh	87, 87.885, 116.577
Yxy	70.7452, 0.3771, 0.5234
Android (android.graphics.Color)	4290505773 (0xFFBBEC2D)
YUV	199.5750, -76.2055, -11.0283
Hunter-Lab	84.1101, -39.0390, 49.3948

# Details

The Hex color **BBEC2D** is a light color, and the websafe version is hex **CCFF33**. The color can be described as light washed chartreuse. A complement of this color would be **5E2DEC**, and the grayscale version is **C8C8C8**.

A 20% lighter version of the original color is **F7FF6D**, and **81B400** is the 20% darker color. If you saturate the color by 10%, you get **B5EC15**, and if you desaturate by 10%, it is **C1EC45**.

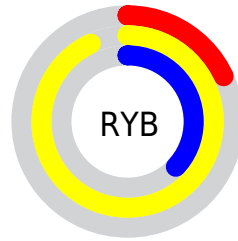
# Distribution



Red (73%)

Green (93%)

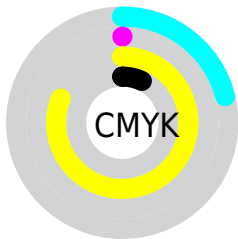
Blue (18%)



Red (18%)

Yellow (93%)

Blue (37%)

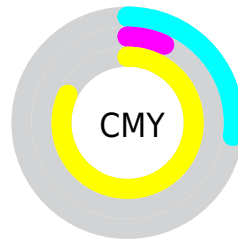


Cyan (21%)

Magenta (0%)

Yellow (81%)

Black (7%)



Cyan (27%)

Magenta (7%)

Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the Hex color BBEC2D 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 BBEC2D by changing the saturation by 10% instead.



 BBEC2D

 BBEC2D

FFFFFF

 9ED000

 F7FF6D

 81B400

 FFFF8A

 649900

 FFFFA7

 477F00

 FFFFC4

 286600

 FFFFE2

 004D00

 003500

 002100

 000000

 BBEC2D

 BBEC2D

 B5EC15

 C1EC45

 AFEC00

 C7EC5C

 CDEC74

 D3EC8B

 D9ECA3

 DFECBB

 E5ECD2

 EBECEA

 F1ECFF

# Harmonies

## Analogous

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



FFD403



BBEC2D



34FA79

# Triad

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



BBEC2D



00FAFF



FF88E8

# Complementary

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



BBEC2D



5E2DEC

# 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.



FFA2FF



BBEC2D



00E8FF

# Square

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



BBEC2D



00FFFF



C7C9FF



FF9195

# Rectangle

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



BBEC2D



00FFB1



C7C9FF



FF8DFF

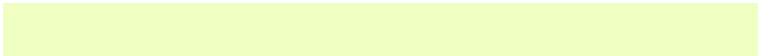


# Sweetspot

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



BBEC2D



EFFFC2



EC5D2D



76805B



000000



808080



# Same Dimension

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



BBEC2D



C0FF08



5DEC2D



72756A



87B500



283600



# Inverse Universe

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



5E2DEC



4708FF



BC2DEC



6D6A75



2E00B5

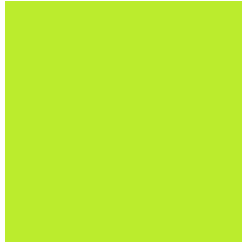


0E0036



# Previews

## White Background



This preview shows how the Hex color BBEC2D looks on a white background.

## Color Contrast Check

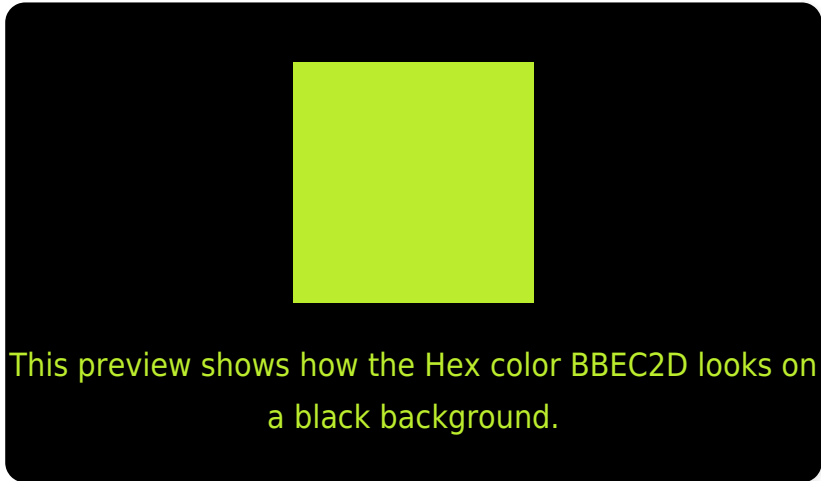
Large Text (above 18pt) WCAG AA × Fail

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 BBEC2D Background



This preview shows how black text looks on a background with the Hex color BBEC2D.

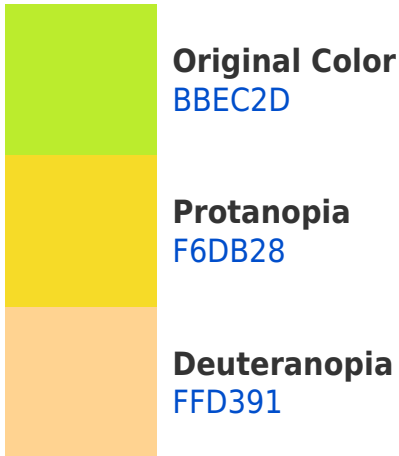


This preview shows how white text looks on a background with the Hex color BBEC2D.

# 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





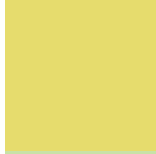
# Trichromacy



**Original Color**  
BBEC2D



**Protanomaly**  
E1E12A



**Deuteranomaly**  
E6DC6D

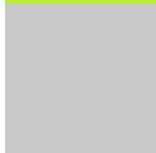


**Tritanomaly**  
C8E2A7

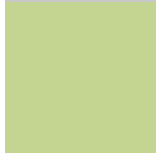
# Monochromacy



**Original Color**  
BBEC2D



**Achromatopsia**  
C8C8C8



**Achromatomaly**  
C3D590

# CSS Examples

## Text

The CSS property to change the color of the text to Hex BBEC2D 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 #BBEC2D looks like.

```
.text, #text, p{  
    color:#BBEC2D  
}
```

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 #BBEC2D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #BBEC2D
}
```

## Border

The CSS property to change the border of an element to Hex BBEC2D 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
#BBEC2D }
```

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

```
.border{ border-color:#BBEC2D }
```

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

Here you see how a box with a 4 pixel #BBEC2D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #BBEC2D; -webkit-box-shadow:4px 4px  
4px 4px #BBEC2D; box-shadow:4px 4px 4px  
4px #BBEC2D }
```

# Background

The CSS property to change the background color of an element to Hex BBEC2D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#BBEC2D }
```

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

```
.background{ background-color:#BBEC2D }
```

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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