

# Converting Colors

Hex(B3E900)

Have a look what the booklet for  
Hex(B3E900) contains.

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**Color**

**Hex(B3E900)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3E900
RGB	179, 233, 0
RGB Percent	70%, 91%, 0%
CMY	0.2980, 0.0863, 1.0000
CMYK	0.23, 0.00, 1.00, 0.09
HSL	74°, 100%, 46%
HSV	74°, 100%, 91%
XYZ	47.7293, 67.8615, 10.5830
YIQ	190.2920, 42.6090, -83.9110

# Conversions

## Conversions Part 2

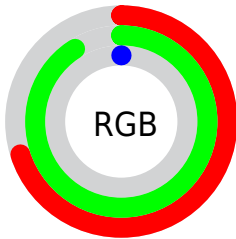
Format	Color
<a href="#">RYB</a>	<a href="#">0, 233, 54</a>
Decimal	<a href="#">11790592</a>
CIELab	<a href="#">85.94, -41.96, 83.80</a>
CIElCh	<a href="#">86, 93.717, 116.600</a>
Yxy	<a href="#">67.8615, 0.3783, 0.5378</a>
Android (android.graphics.Color)	<a href="#">4289980672 (0xFFB3E900)</a>
YUV	<a href="#">190.2920, -93.8140, -9.9031</a>
Hunter-Lab	<a href="#">82.3781, -40.7400, 50.0478</a>

# Details

The Hex color **B3E900** is a dark color, and the websafe version is hex **CCFF33**. The color can be described as middle washed chartreuse. A complement of this color would be **3600E9**, and the grayscale version is **BFBFBF**.

A 20% lighter version of the original color is **EFFF5A**, and **78B100** is the 20% darker color. If you saturate the color by 10%, you get **B3E900**, and if you desaturate by 10%, it is **B8E917**.

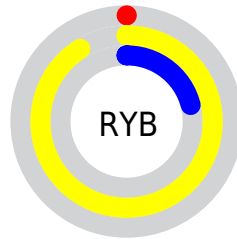
# Distribution



Red (70%)

Green (91%)

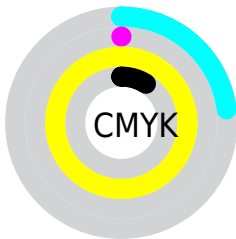
Blue (0%)



Red (0%)

Yellow (91%)

Blue (21%)

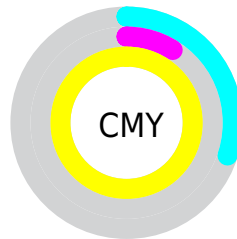


Cyan (23%)

Magenta (0%)

Yellow (100%)

Black (9%)



Cyan (30%)

Magenta (9%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B3E900 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 B3E900 by changing the saturation by 10% instead.



 B3E900

 B3E900

FFFFFF

 95CD00

 EFFF5A

 78B100

 FFFF78

 5B9600

 FFFF96

 3D7C00

 FFFFFB3

 1A6300

 FFFFFD1

 004A00

 FFFFFEF

 003300

 001D00

 000000

 B3E900

 B8E917

 BEE92F

 C3E946

 C9E95D

 CEE975

 D3E98C

 D9E9A3

 DEE9BA

 E4E9D2

# Harmonies

## Analogous

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



FFCF00



B3E900



00F86E

# Triad

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



B3E900



00F8FF



FF79E5

# Complementary

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



B3E900



3600E9

# 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.



FF99FF



B3E900



00E5FF

# Square

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



B3E900



00FFFF



BFC4FF



FF848D

# Rectangle

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



B3E900



00FDAB



BFC4FF



FF80FF



# Sweetspot

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



B3E900



EDFFB3



E93200



758052



000000



808080



# Same Dimension

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



B3E900



C4FF00



42E900



73756A



8BB500



293600



# Inverse Universe

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



3600E9



3B00FF



A700E9



6C6A75



2A00B5

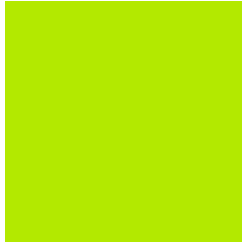


0C0036



# Previews

## White Background



This preview shows how the Hex color B3E900 looks on a white background.

## Color Contrast Check

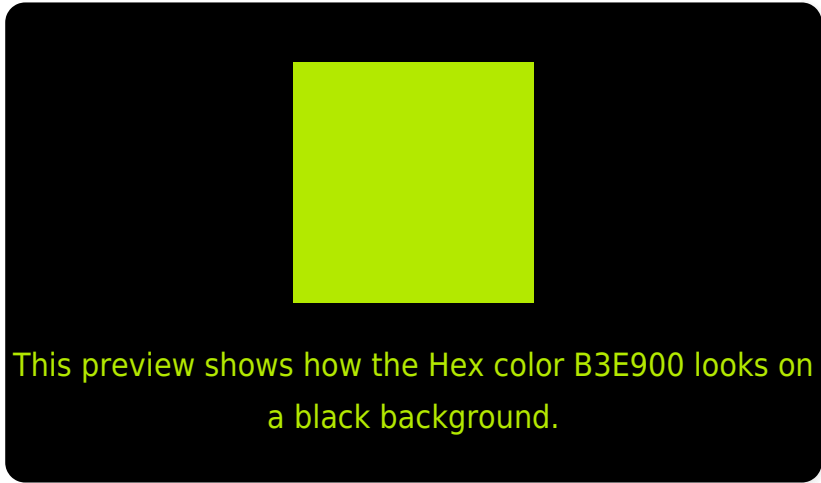
Large Text (above 18pt) WCAG AA × Fail

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 B3E900 Background



This preview shows how black text looks on a background with the Hex color B3E900.

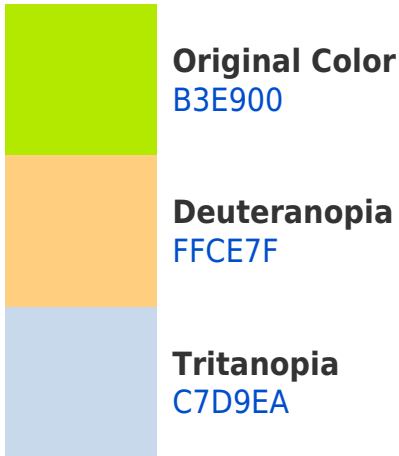


This preview shows how white text looks on a background with the Hex color B3E900.

# 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](#).

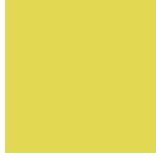
## Dichromacy



# Trichromacy



**Original Color**  
B3E900



**Deuteranomaly**  
E3D851

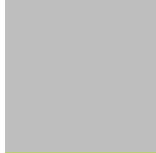


**Tritanomaly**  
C0DF95

# Monochromacy



**Original Color**  
B3E900



**Achromatopsia**  
BEBEBE



**Achromatomaly**  
BACE79

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B3E900 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 #B3E900 looks like.

```
.text, #text, p{  
    color:#B3E900  
}
```

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 #B3E900 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B3E900
}
```

## Border

The CSS property to change the border of an element to Hex B3E900 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
#B3E900 }
```

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

```
.border{ border-color:#B3E900 }
```

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

Here you see how a box with a 4 pixel #B3E900 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B3E900; -webkit-box-shadow:4px 4px  
4px 4px #B3E900; box-shadow:4px 4px 4px  
4px #B3E900 }
```

# Background

The CSS property to change the background color of an element to Hex B3E900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B3E900 }
```

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

```
.background{ background-color:#B3E900 }
```

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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