

# Converting Colors

Hex(7BE200)

Have a look what the booklet for  
Hex(7BE200) contains.

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**Color**

**Hex(7BE200)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7BE200
RGB	123, 226, 0
RGB Percent	48%, 89%, 0%
CMY	0.5176, 0.1137, 1.0000
CMYK	0.46, 0.00, 1.00, 0.11
HSL	87°, 100%, 44%
HSV	87°, 100%, 89%
XYZ	35.3647, 58.6037, 9.4477
YIQ	169.4390, 11.1580, -92.1220

# Conversions

## Conversions Part 2

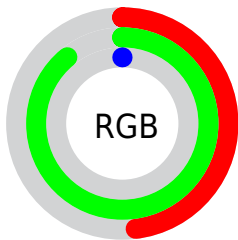
Format	Color
<b>RYB</b>	0, 226, 103
Decimal	8118784
CIELab	81.07, -58.80, 78.83
CIELCh	81, 98.338, 126.720
Yxy	58.6037, 0.3420, 0.5667
Android (android.graphics.Color)	4286308864 (0xFF7BE200)
YUV	169.4390, -83.5334, -40.7270
Hunter-Lab	76.5530, -51.5073, 46.2699

# Details

The Hex color **7BE200** is a dark color, and the websafe version is hex **66CC00**. The color can be described as dark washed chartreuse. A complement of this color would be **6700E2**, and the grayscale version is **AAAAAA**.

A 20% lighter version of the original color is **B8FF57**, and **3AAA00** is the 20% darker color. If you saturate the color by 10%, you get **7BE200**, and if you desaturate by 10%, it is **85E217**.

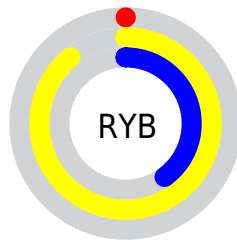
# Distribution



Red (48%)

Green (89%)

Blue (0%)



Red (0%)

Yellow (89%)

Blue (40%)

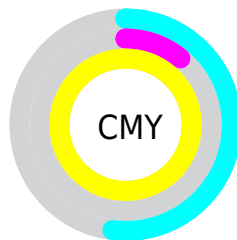


Cyan (46%)

Magenta (0%)

Yellow (100%)

Black (11%)



Cyan (52%)

Magenta (11%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7BE200 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 7BE200 by changing the saturation by 10% instead.



 7BE200

 7BE200


FFFFFF

 5CC600

 B8FF57

 3AAA00

 D6FF75

 028F00

 F5FF92

 007400

 FFFF80

 005A00

 FFFFC8

 004100

 FFFF96

 002B00

 000700

 000000

 7BE200

 85E217

 90E22D

 9AE244

 A4E25A

 AFE271

 B9E288

 C3E29E

 CDE2B5

 D8E2CB

# Harmonies

## Analogous

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



DFCC00



7BE200



00EE7C

# Triad

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



7BE200



00E6FF



FF5CB9

# Complementary

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



7BE200



6700E2

# 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.



FF75FF



7BE200



00CEFF

# Square

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



7BE200



00F1FF



E3A6FF



FF7C60

# Rectangle

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



7BE200



00F1BC



E3A6FF



FF5ED8

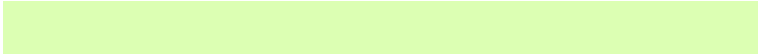


# Sweetspot

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



7BE200



DCFFB3



E26600



6B8052



000000



808080



# Same Dimension

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



7BE200



8BFF00



0BE200



6B7065



60B000



1A3000



# Inverse Universe

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



6700E2



7400FF



D700E2



6A6570



5000B0

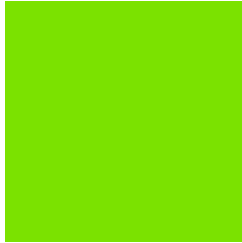


160030



# Previews

## White Background



This preview shows how the Hex color 7BE200 looks on a white background.

## Color Contrast Check

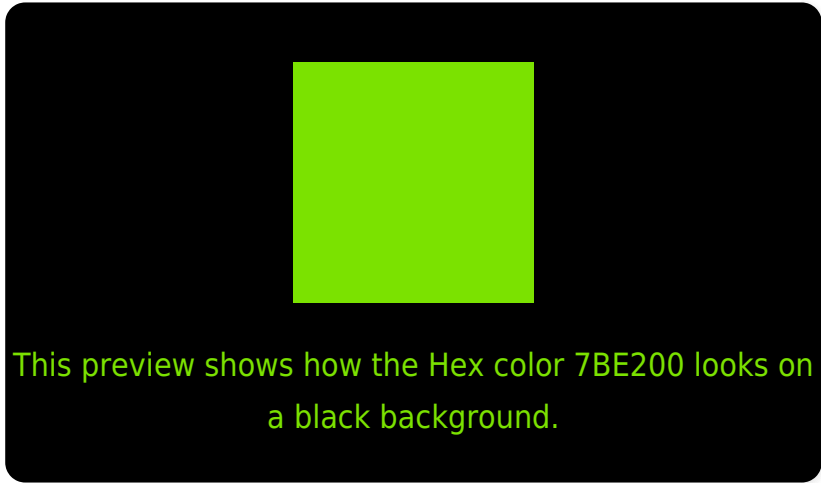
Large Text (above 18pt) WCAG AA × Fail

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 7BE200 Background



This preview shows how black text looks on a background with the Hex color 7BE200.



This preview shows how white text looks on a background with the Hex color 7BE200.

# 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](#).

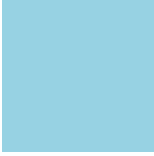
## Dichromacy



**Original Color**  
7BE200

**Protanopia**  
E2C900

**Deuteranopia**  
FCBE2E



**Tritanopia**  
97D2E3

# Trichromacy



**Original Color**  
7BE200



**Protanomaly**  
BDD200



**Deuteranomaly**  
CDCB1D

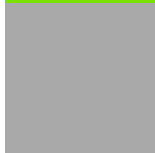


**Tritanomaly**  
8DD890

# Monochromacy



**Original Color**  
7BE200



**Achromatopsia**  
A9A9A9



**Achromatomaly**  
98BE6C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7BE200 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 #7BE200 looks like.

```
.text, #text, p{  
    color:#7BE200  
}
```

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 #7BE200 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7BE200
}
```

## Border

The CSS property to change the border of an element to Hex 7BE200 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
#7BE200 }
```

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

```
.border{ border-color:#7BE200 }
```

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

Here you see how a box with a 4 pixel #7BE200 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7BE200; -webkit-box-shadow:4px 4px  
4px 4px #7BE200; box-shadow:4px 4px 4px  
4px #7BE200 }
```

# Background

The CSS property to change the background color of an element to Hex 7BE200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7BE200 }
```

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

```
.background{ background-color:#7BE200 }
```

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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