

# Converting Colors

Hex(B7D913)

Have a look what the booklet for  
Hex(B7D913) contains.

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**Color**

**Hex(B7D913)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7D913
RGB	183, 217, 19
RGB Percent	72%, 85%, 7%
CMY	0.2824, 0.1490, 0.9255
CMYK	0.16, 0.00, 0.91, 0.15
HSL	70°, 84%, 46%
HSV	70°, 91%, 85%
XYZ	44.4588, 59.7400, 9.8038
YIQ	184.2620, 43.2940, -68.7860

# Conversions

## Conversions Part 2

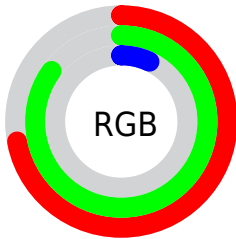
Format	Color
<b>RYB</b>	19, 217, 53
Decimal	12048659
CIELab	81.70, -32.98, 78.80
CIELCh	82, 85.423, 112.708
Yxy	59.7400, 0.3900, 0.5240
Android (android.graphics.Color)	4290238739 (0xFFB7D913)
YUV	184.2620, -81.4742, -1.1068
Hunter-Lab	77.2917, -32.5856, 46.5837

# Details

The Hex color **B7D913** is a dark color, and the websafe version is hex **99CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **3513D9**, and the grayscale version is **B9B9B9**.

A 20% lighter version of the original color is **F3FF5C**, and **7DA200** is the 20% darker color. If you saturate the color by 10%, you get **B4D900**, and if you desaturate by 10%, it is **BBD929**.

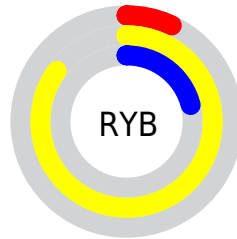
# Distribution



Red (72%)

Green (85%)

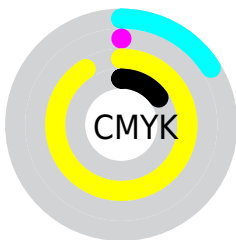
Blue (7%)



Red (7%)

Yellow (85%)

Blue (21%)

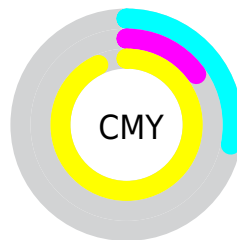


Cyan (16%)

Magenta (0%)

Yellow (91%)

Black (15%)



Cyan (28%)

Magenta (15%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B7D913 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 B7D913 by changing the saturation by 10% instead.



 B7D913

 B7D913

FFFFFF

 9ABD00

 F3FF5C

 7DA200

 FFFF7A

 608800

 FFFF97

 446E00

 FFFFB4

 275600

 FFFFD1

 033E00

 FFFFEE

 002800

 000C00

 000000

 B7D913

 B7D913

 B4D900

 BBD929

 BED93E

 C2D954

 C6D96A

 CAD97F

 CDD995

 D1D9AB

 D5D9C1

 D9D9D6

# Harmonies

## Analogous

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



FFC000



B7D913



45E863

# Triad

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



B7D913



00EAFB



FF7BE2

# Complementary

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



B7D913



3513D9

# 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



B7D913



00DAFF

# Square

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



B7D913



00F0FF



A2BEFF



FF8092

# Rectangle

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



B7D913



00ED98



A2BEFF



FF83FD

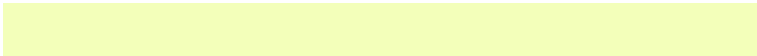


# Sweetspot

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



B7D913



F3FFBA



D93413



788057



000000



808080



# Same Dimension

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



B7D913



D3FF00



55D913



6C6E63



90AD00



262E00



# Inverse Universe

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



3513D9



2C00FF



9713D9



65636E



1E00AD



08002E



# Previews

## White Background



This preview shows how the Hex color B7D913 looks on a white background.

## Color Contrast Check

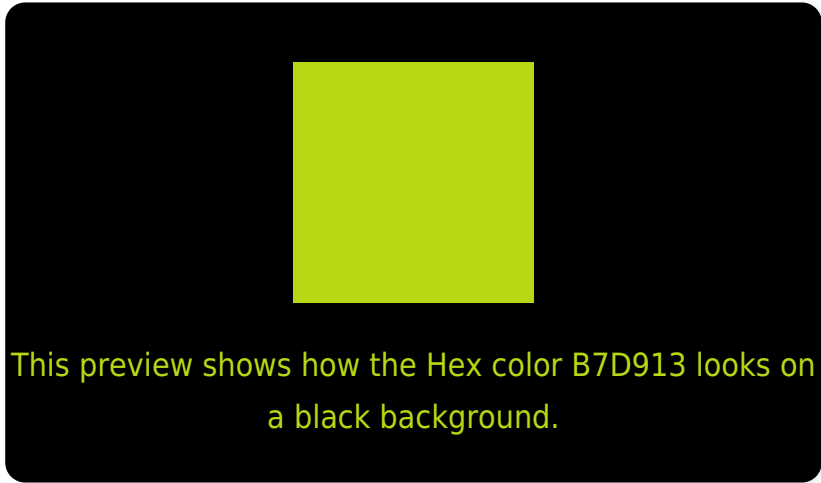
Large Text (above 18pt) WCAG AA × Fail

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 B7D913 Background



This preview shows how black text looks on a background with the Hex color B7D913.

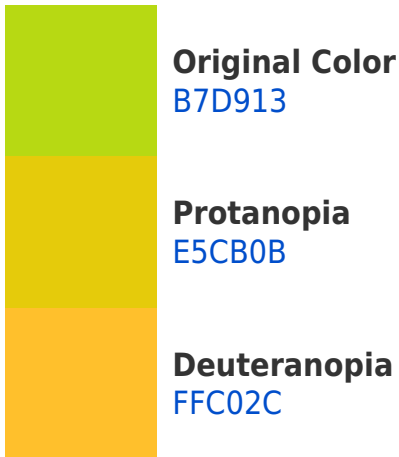


This preview shows how white text looks on a background with the Hex color B7D913.

# 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**  
B7D913

**Protanomaly**  
D4D00E

**Deuteranomaly**  
E5C923

**Tritanomaly**  
C2CF92

# Monochromacy



**Original Color**  
B7D913

**Achromatopsia**  
B8B8B8

**Achromatomaly**  
B8C47C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B7D913 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 #B7D913 looks like.

```
.text, #text, p{  
    color:#B7D913  
}
```

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 #B7D913 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B7D913
}
```

## Border

The CSS property to change the border of an element to Hex B7D913 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
#B7D913 }
```

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

```
.border{ border-color:#B7D913 }
```

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

Here you see how a box with a 4 pixel #B7D913 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B7D913; -webkit-box-shadow:4px 4px  
4px 4px #B7D913; box-shadow:4px 4px 4px  
4px #B7D913 }
```

# Background

The CSS property to change the background color of an element to Hex B7D913 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B7D913 }
```

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

```
.background{ background-color:#B7D913 }
```

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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