

# Converting Colors

Hex(B7CC21)

Have a look what the booklet for  
Hex(B7CC21) contains.

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**Color**

**Hex(B7CC21)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7CC21
RGB	183, 204, 33
RGB Percent	72%, 80%, 13%
CMY	0.2824, 0.2000, 0.8706
CMYK	0.10, 0.00, 0.84, 0.20
HSL	67°, 72%, 46%
HSV	67°, 84%, 80%
XYZ	41.3958, 53.3628, 9.5571
YIQ	178.2270, 42.3750, -57.6330

# Conversions

## Conversions Part 2

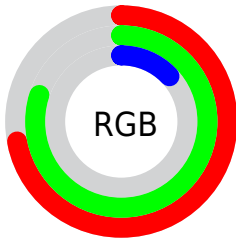
Format	Color
<a href="#">RYB</a>	<a href="#">33, 204, 54</a>
Decimal	<a href="#">12045345</a>
CIELab	<a href="#">78.09, -26.55, 73.34</a>
CIELCh	<a href="#">78, 77.997, 109.902</a>
Yxy	<a href="#">53.3628, 0.3968, 0.5116</a>
Android (android.graphics.Color)	<a href="#">4290235425</a> ( <a href="#">0xFFB7CC21</a> )
YUV	<a href="#">178.2270, -71.5969, 4.1859</a>
Hunter-Lab	<a href="#">73.0499, -26.6851, 43.3780</a>

# Details

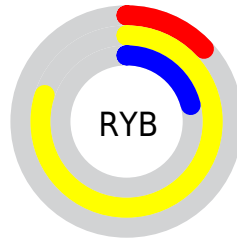
The Hex color **B7CC21** is a dark color, and the websafe version is hex **CCCC33**. The color can be described as middle muted chartreuse. A complement of this color would be **3621CC**, and the grayscale version is **B3B3B3**.

A 20% lighter version of the original color is **F2FF61**, and **7E9600** is the 20% darker color. If you saturate the color by 10%, you get **B4CC0D**, and if you desaturate by 10%, it is **BACC35**.

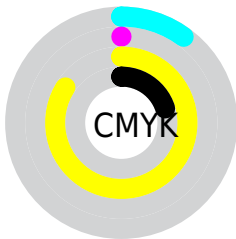
# Distribution



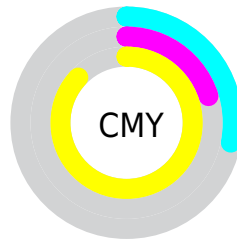
- Red (72%)
- Green (80%)
- Blue (13%)



- Red (13%)
- Yellow (80%)
- Blue (21%)



- Cyan (10%)
- Magenta (0%)
- Yellow (84%)
- Black (20%)



- Cyan (28%)
- Magenta (20%)
- Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B7CC21 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 B7CC21 by changing the saturation by 10% instead.



 B7CC21

 B7CC21

FFFFFF

 9AB100

 F2FF61

 7E9600

 FFFF7D

 627C00

 FFFF9A

 466300

 FFFFB6

 2A4B00

 FFFFD4

 0D3400

 FFFFF1

 002100

 000000

 B7CC21

 B7CC21

 B4CC0D

 BACC35

 B3CC00

 BCCC4A

 BFCC5E

 C1CC73

 C4CC87

 C6CC9B

 C9CCB0

 CBCCC4

 CECCD9

# Harmonies

## Analogous

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



FAB51D



B7CC21



5BDA5E

# Triad

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



B7CC21



00DEFF



FF7DDD

# Complementary

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



B7CC21



3621CC

# 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.



FF98FF



B7CC21



00D1FF

# Square

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



B7CC21



00E3F0



90B8FF



FF7D94

# Rectangle

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



B7CC21



00E08C



90B8FF



FF84F5

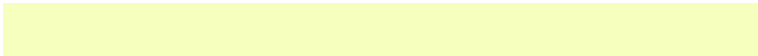


# Sweetspot

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



B7CC21



F7FFBF



CC3521



7B8059



000000



808080



# Same Dimension

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



B7CC21



E0FF00



63CC21



65665C



91A600



222600



# Inverse Universe

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



3621CC



1F00FF



8A21CC



5D5C66



1400A6



050026



# Previews

## White Background



This preview shows how the Hex color B7CC21 looks on a white background.

## Color Contrast Check

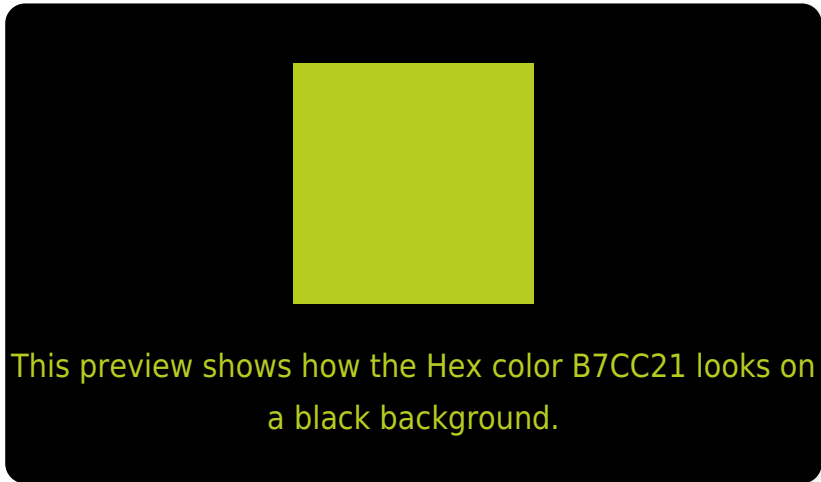
Large Text (above 18pt) WCAG AA × Fail

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 B7CC21 Background



This preview shows how black text looks on a background with the Hex color B7CC21.



This preview shows how white text looks on a background with the Hex color B7CC21.

# 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



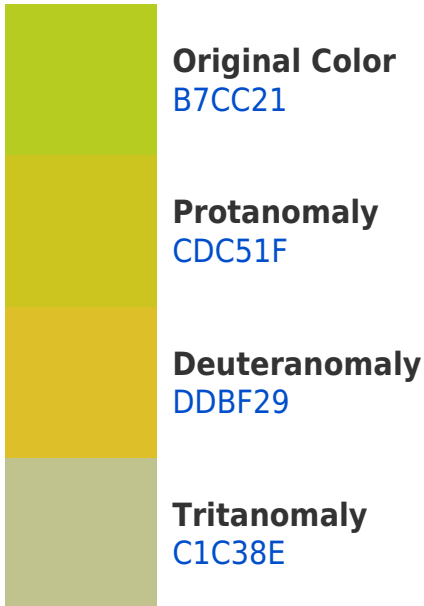
**Original Color**  
B7CC21

**Protanopia**  
D9C11E

**Deuteranopia**  
F2B72E



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex B7CC21 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 #B7CC21 looks like.

```
.text, #text, p{  
    color:#B7CC21  
}
```

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 #B7CC21 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B7CC21
}
```

## Border

The CSS property to change the border of an element to Hex B7CC21 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
#B7CC21 }
```

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

```
.border{ border-color:#B7CC21 }
```

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

Here you see how a box with a 4 pixel #B7CC21 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B7CC21; -webkit-box-shadow:4px 4px  
4px 4px #B7CC21; box-shadow:4px 4px 4px  
4px #B7CC21 }
```

# Background

The CSS property to change the background color of an element to Hex B7CC21 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B7CC21 }
```

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

```
.background{ background-color:#B7CC21 }
```

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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