

# Converting Colors

Hex(B3D12F)

Have a look what the booklet for  
Hex(B3D12F) contains.

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# Color

Hex(**B3D12F**)

# Conversions

## Conversions Part 1

Format	Color
Hex	B3D12F
RGB	179, 209, 47
RGB Percent	70%, 82%, 18%
CMY	0.2980, 0.1804, 0.8157
CMYK	0.14, 0.00, 0.78, 0.18
HSL	71°, 64%, 50%
HSV	71°, 78%, 82%
XYZ	41.9040, 55.3899, 11.1721
YIQ	181.5620, 34.1220, -56.7420

# Conversions

## Conversions Part 2

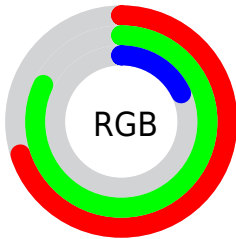
<b>Format</b>	<b>Color</b>
<b>RYB</b>	47, 209, 77
Decimal	11784495
CIELab	79.27, -30.08, 70.62
CIELCh	79, 76.758, 113.071
Yxy	55.3899, 0.3863, 0.5107
Android (android.graphics.Color)	4289974575 (0xFFB3D12F)
YUV	181.5620, -66.3391, -2.2469
Hunter-Lab	74.4244, -29.7399, 43.1969

# Details

The Hex color **B3D12F** is a dark color, and the websafe version is hex **99CC33**. The color can be described as middle washed chartreuse. A complement of this color would be **4D2FD1**, and the grayscale version is **B6B6B6**.

A 20% lighter version of the original color is **EEFF6A**, and **7A9B00** is the 20% darker color. If you saturate the color by 10%, you get **AFD11A**, and if you desaturate by 10%, it is **B7D144**.

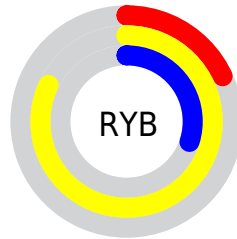
# Distribution



Red (70%)

Green (82%)

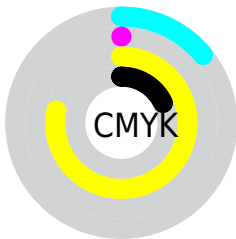
Blue (18%)



Red (18%)

Yellow (82%)

Blue (30%)

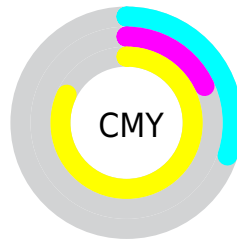


Cyan (14%)

Magenta (0%)

Yellow (78%)

Black (18%)



Cyan (30%)

Magenta (18%)

Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B3D12F 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 B3D12F by changing the saturation by 10% instead.



 B3D12F

 B3D12F

FFFFFF

 96B500

 EEFF6A

 7A9B00

 FFFF87

 5E8000

 FFFFA3

 436700

 FFFF00

 264F00

 FFFFDD

 053800

 FFFFFB

 002300

 000000

 B3D12F

 B3D12F

■ AFD11A

■ B7D144

■ ABD105

■ BBD159

■ AAD100

■ BFD16E

■ C2D183

■ C6D197

■ CAD1AC

■ CED1C1

■ D2D1D6

■ D6D1EB

# Harmonies

## Analogous

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



F7BB23



B3D12F



53DF69

# Triad

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



B3D12F



00E0FF



FF81D8

# Complementary

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



B3D12F



4D2FD1

# 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



B3D12F



00D2FF

# Square

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



B3D12F



00E6FA



A5B8FF



FF8491

# Rectangle

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



B3D12F



00E498



A5B8FF



FF86F0

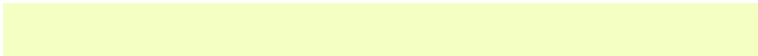


# Sweetspot

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



B3D12F



F4FFC4



D14D2F



79805C



000000



808080



# Same Dimension

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



B3D12F



D3FF12



62D12F



67695E



89A800



212900



# Inverse Universe

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



4D2FD1



3E12FF



9E2FD1



605E69



1F00A8



080029



# Previews

## White Background



This preview shows how the Hex color B3D12F looks on a white background.

## Color Contrast Check

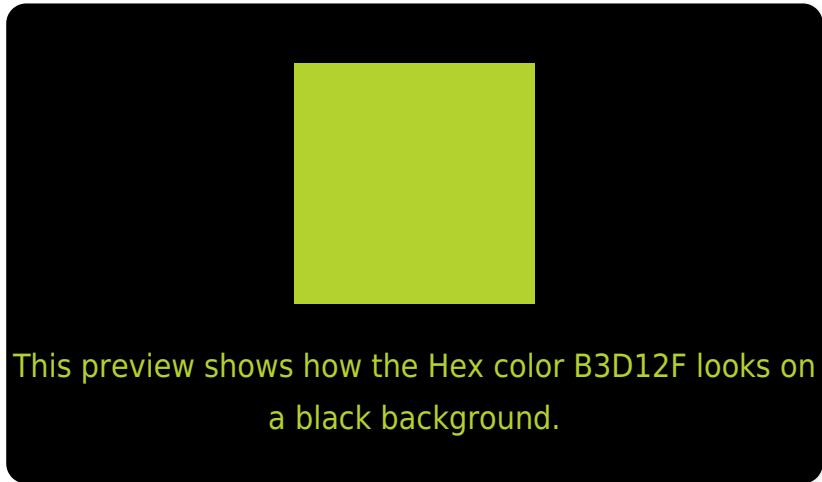
Large Text (above 18pt) WCAG AA × Fail

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 B3D12F Background



This preview shows how black text looks on a background with the Hex color B3D12F.



This preview shows how white text looks on a background with the Hex color B3D12F.

# 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**  
B3D12F

**Protanopia**  
DCC42C

**Deuteranopia**  
F6BA3A



**Tritanopia**  
C3C3D2

# Trichromacy



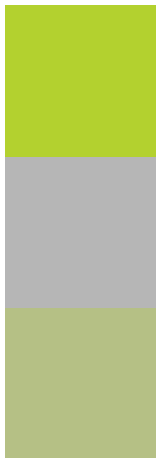
**Original Color**  
B3D12F

**Protanomaly**  
CDC92D

**Deuteranomaly**  
DEC236

**Tritanomaly**  
BDC897

# Monochromacy



**Original Color**  
B3D12F

**Achromatopsia**  
B6B6B6

**Achromatomaly**  
B5C085

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B3D12F 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 #B3D12F looks like.

```
.text, #text, p{  
    color:#B3D12F  
}
```

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 #B3D12F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B3D12F
}
```

## Border

The CSS property to change the border of an element to Hex B3D12F 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
#B3D12F }
```

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

```
.border{ border-color:#B3D12F }
```

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

Here you see how a box with a 4 pixel #B3D12F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B3D12F; -webkit-box-shadow:4px 4px  
4px 4px #B3D12F; box-shadow:4px 4px 4px  
4px #B3D12F }
```

# Background

The CSS property to change the background color of an element to Hex B3D12F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B3D12F }
```

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

```
.background{ background-color:#B3D12F }
```

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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