

# Converting Colors

Hex(B7DF89)

Have a look what the booklet for  
Hex(B7DF89) contains.

<b>Hex(B7DF89)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

**Color**

**Hex(B7DF89)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B7DF89
RGB	183, 223, 137
RGB Percent	72%, 87%, 54%
CMY	0.2824, 0.1255, 0.4627
CMYK	0.18, 0.00, 0.39, 0.13
HSL	88°, 57%, 71%
HSV	88°, 39%, 87%
XYZ	50.4315, 64.6488, 33.4874
YIQ	201.2360, 3.7660, -35.2260

# Conversions

## Conversions Part 2

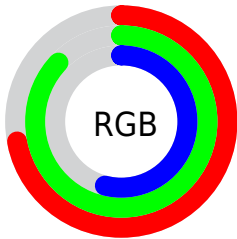
<b>Format</b>	<b>Color</b>
<b>RYB</b>	137, 223, 177
Decimal	12050313
CIELab	84.30, -27.55, 37.93
CIElCh	84, 46.885, 125.992
Yxy	64.6488, 0.3395, 0.4351
Android (android.graphics.Color)	4290240393 (0xFFB7DF89)
YUV	201.2360, -31.6683, -15.9930
Hunter-Lab	80.4045, -28.7486, 31.5897

# Details

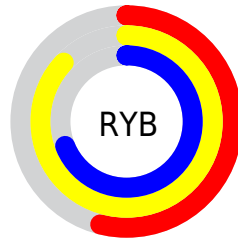
The Hex color **B7DF89** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **B189DF**, and the grayscale version is **CACACA**.

A 20% lighter version of the original color is **F0FFBF**, and **81A856** is the 20% darker color. If you saturate the color by 10%, you get **ADDF73**, and if you desaturate by 10%, it is **C1DF9F**.

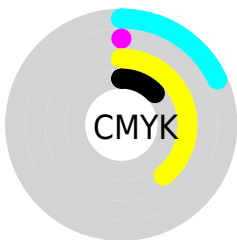
# Distribution



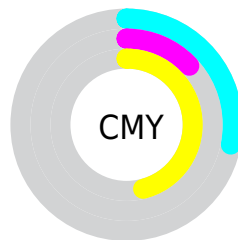
- Red (72%)
- Green (87%)
- Blue (54%)



- Red (54%)
- Yellow (87%)
- Blue (69%)



- Cyan (18%)
- Magenta (0%)
- Yellow (39%)
- Black (13%)



- Cyan (28%)
- Magenta (13%)
- Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B7DF89 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 B7DF89 by changing the saturation by 10% instead.



 B7DF89

 B7DF89

FFFFFF

 9BC36F

 F0FFBF

 81A856

 FFFFDB

 668D3D

 FFFFF8

 4D7325

 345B0A

 1B4300

 002C00

 001800

 000000

 B7DF89

 B7DF89

 ADDF73

 C1DF9F

 A2DF5C

 CCDFB6

 98DF46

 D6DFCC

 8EDF30

 E0DFE2

 83DF19

 EBDFF9

 79DF03

 F5DFFF

 77DF00

 FFDFFF

# Harmonies

## Analogous

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



E6D379



B7DF89



80E7AD

# Triad

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



B7DF89



47E1FF



FFAFCB

# Complementary

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



B7DF89



B189DF

# Split Complementary

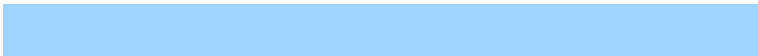
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



FFB5F7



B7DF89



9FD4FF

# Square

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



B7DF89



00E8FF



E3C4FF



FFB5A1

# Rectangle

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



B7DF89



53E9CB



E3C4FF



FFB0DA

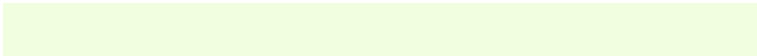


# Sweetspot

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



B7DF89



F1FFE0



DFB089



77806E



000000



808080

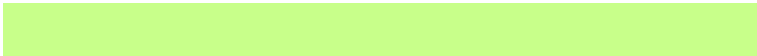


# Same Dimension

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



B7DF89



C8FF8A



8DDF89



6B7065



5EB000



1A3000



# Inverse Universe

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



B189DF



C08AFF



DB89DF



6A6570



5200B0



170030



# Previews

## White Background



This preview shows how the Hex color B7DF89 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



This preview shows how the Hex color B7DF89 looks on a 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 B7DF89 Background



This preview shows how black text looks on a background with the Hex color B7DF89.

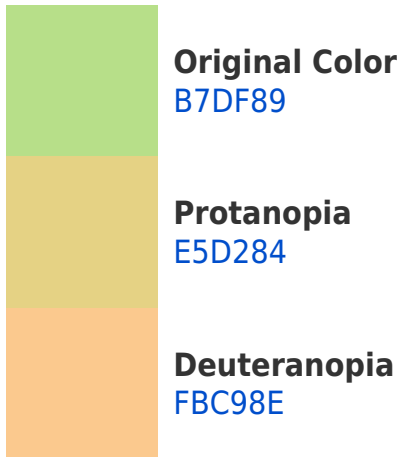


This preview shows how white text looks on a background with the Hex color B7DF89.

# 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](#).

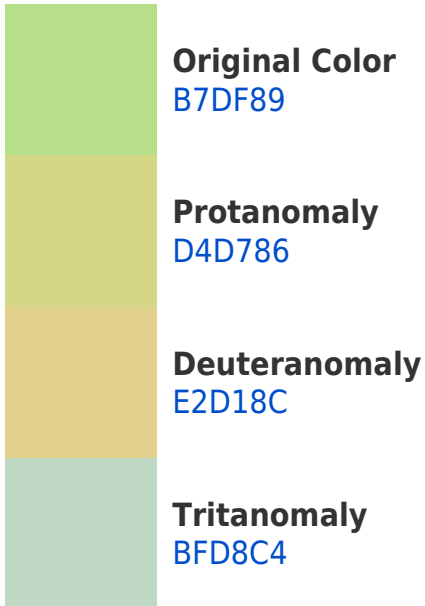
## Dichromacy



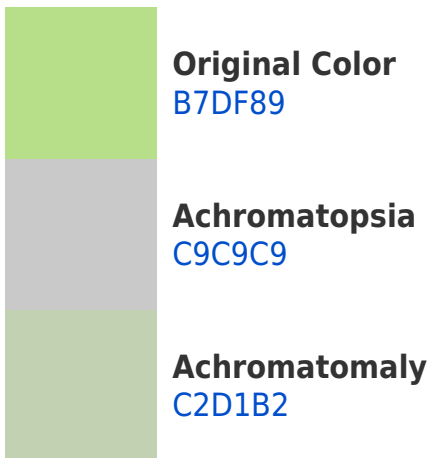


**Tritanopia**  
C4D4E5

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex B7DF89 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 #B7DF89 looks like.

```
.text, #text, p{  
    color:#B7DF89  
}
```

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 #B7DF89 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B7DF89
}
```

## Border

The CSS property to change the border of an element to Hex B7DF89 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
#B7DF89 }
```

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

```
.border{ border-color:#B7DF89 }
```

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

Here you see how a box with a 4 pixel #B7DF89 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B7DF89; -webkit-box-shadow:4px 4px  
4px 4px #B7DF89; box-shadow:4px 4px 4px  
4px #B7DF89 }
```

# Background

The CSS property to change the background color of an element to Hex B7DF89 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B7DF89 }
```

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

```
.background{ background-color:#B7DF89 }
```

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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