

# Converting Colors

Hex(B7DE49)

Have a look what the booklet for  
Hex(B7DE49) contains.

<b>Hex(B7DE49)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

Hex(B7DE49)

# Conversions

## Conversions Part 1

Format	Color
Hex	B7DE49
RGB	183, 222, 73
RGB Percent	72%, 87%, 29%
CMY	0.2824, 0.1294, 0.7137
CMYK	0.18, 0.00, 0.67, 0.13
HSL	76°, 69%, 58%
HSV	76°, 67%, 87%
XYZ	46.8523, 62.7909, 15.9538
YIQ	193.3530, 24.5850, -54.6070

# Conversions

## Conversions Part 2

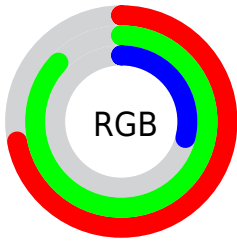
Format	Color
<a href="#">RYB</a>	<a href="#">73, 222, 112</a>
Decimal	<a href="#">12049993</a>
CIELab	<a href="#">83.33, -33.18, 65.82</a>
CIElCh	<a href="#">83, 73.715, 116.753</a>
Yxy	<a href="#">62.7909, 0.3730, 0.4999</a>
Android (android.graphics.Color)	<a href="#">4290240073 (0xFFB7DE49)</a>
YUV	<a href="#">193.3530, -59.3340, -9.0796</a>
Hunter-Lab	<a href="#">79.2407, -33.1303, 43.5314</a>

# Details

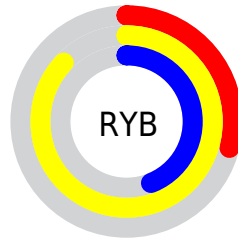
The Hex color **B7DE49** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **7049DE**, and the grayscale version is **C2C2C2**.

A 20% lighter version of the original color is **F2FF81**, and **7EA700** is the 20% darker color. If you saturate the color by 10%, you get **B1DE33**, and if you desaturate by 10%, it is **BDDE5F**.

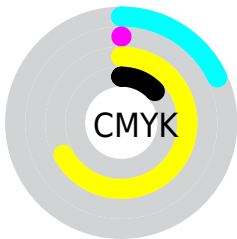
# Distribution



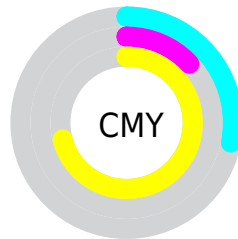
- Red (72%)
- Green (87%)
- Blue (29%)



- Red (29%)
- Yellow (87%)
- Blue (44%)



- Cyan (18%)
- Magenta (0%)
- Yellow (67%)
- Black (13%)



- Cyan (28%)
- Magenta (13%)
- Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B7DE49 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 B7DE49 by changing the saturation by 10% instead.



 B7DE49

 B7DE49

FFFFFF

 9AC22B

 F2FF81

 7EA700

 FFFF9D

 628C00

 FFFFB9

 477300

 FFFFDD

 2B5A00

 FFFFF4

 084200

 002B00

 001400

 000000

 B7DE49

 B7DE49

 B1DE33

 BDDE5F

 ABDE1D

 C3DE75

 A6DE06

 C8DE8C

 A4DE00

 CEDEA2

 D4DEB8

 DADECE

 E0DEE4

 E5DEFB

 EBDEFF

# Harmonies

## Analogous

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



FBCA38



B7DE49



57EB80

# Triad

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



B7DE49



00EAFB



FF90DA

# Complementary

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



B7DE49



7049DE

# 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.



FFA3FF



B7DE49



00DAFF

# Square

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



B7DE49



00F1FF



C4C0FF



FF9695

# Rectangle

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



B7DE49



00EFAD



C4C0FF



FF94F1

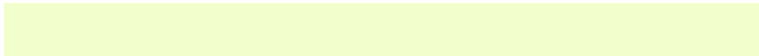


# Sweetspot

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



B7DE49



F2FFCC



DE6E49



778061



000000



808080



# Same Dimension

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



B7DE49



C9FF30



6EDE49



6D7065



82B000



243000



# Inverse Universe

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



7049DE



6730FF



B949DE



686570



2E00B0



0D0030



# Previews

## White Background



This preview shows how the Hex color B7DE49 looks on a white background.

## Color Contrast Check

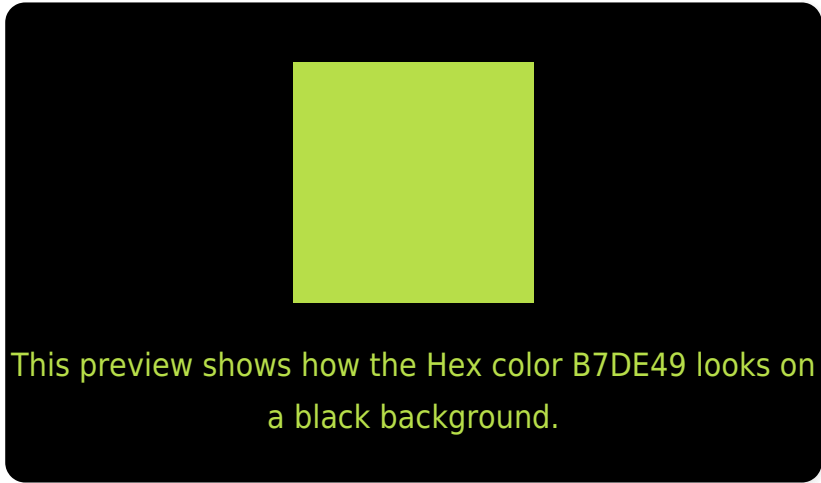
Large Text (above 18pt) WCAG AA × Fail

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 B7DE49 Background



This preview shows how black text looks on a background with the Hex color B7DE49.

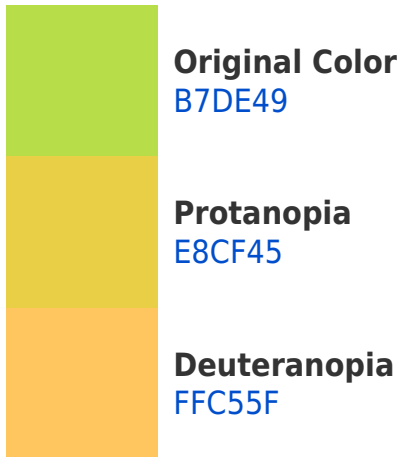


This preview shows how white text looks on a background with the Hex color B7DE49.

# 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](#).

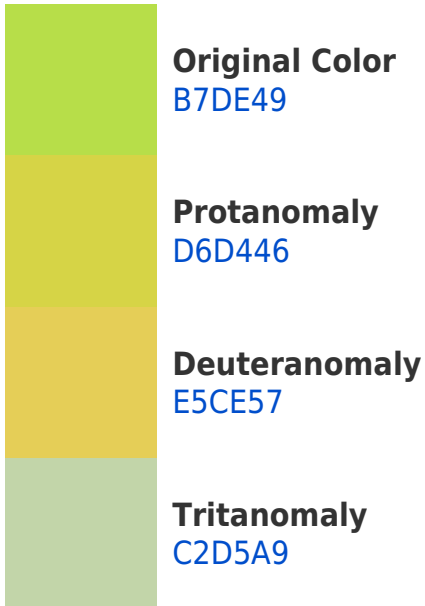
## Dichromacy



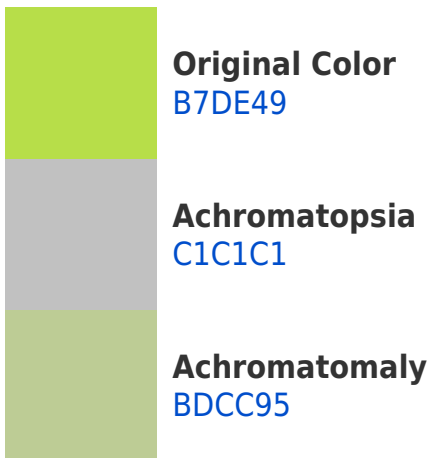


**Tritanopia**  
C8D0E0

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex B7DE49 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 #B7DE49 looks like.

```
.text, #text, p{  
    color:#B7DE49  
}
```

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 #B7DE49 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B7DE49
}
```

## Border

The CSS property to change the border of an element to Hex B7DE49 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
#B7DE49 }
```

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

```
.border{ border-color:#B7DE49 }
```

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

Here you see how a box with a 4 pixel #B7DE49 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B7DE49; -webkit-box-shadow:4px 4px  
4px 4px #B7DE49; box-shadow:4px 4px 4px  
4px #B7DE49 }
```

# Background

The CSS property to change the background color of an element to Hex B7DE49 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B7DE49 }
```

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

```
.background{ background-color:#B7DE49 }
```

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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