

# Converting Colors

Hex(B2DD72)

Have a look what the booklet for  
Hex(B2DD72) contains.

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**Color**

**Hex(B2DD72)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2DD72
RGB	178, 221, 114
RGB Percent	70%, 87%, 45%
CMY	0.3020, 0.1333, 0.5529
CMYK	0.19, 0.00, 0.48, 0.13
HSL	84°, 61%, 66%
HSV	84°, 48%, 87%
XYZ	47.2538, 62.3928, 25.4721
YIQ	195.9450, 8.7190, -42.3930

# Conversions

## Conversions Part 2

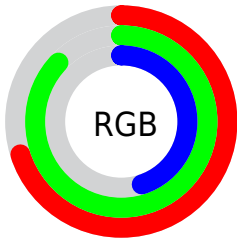
Format	Color
<a href="#">RYB</a>	<a href="#">114, 221, 157</a>
Decimal	<a href="#">11722098</a>
CIELab	<a href="#">83.12, -31.15, 47.67</a>
CIELCh	<a href="#">83, 56.942, 123.166</a>
Yxy	<a href="#">62.3928, 0.3497, 0.4618</a>
Android (android.graphics.Color)	<a href="#">4289912178</a> ( <a href="#">0xFFB2DD72</a> )
YUV	<a href="#">195.9450, -40.3989, -15.7378</a>
Hunter-Lab	<a href="#">78.9891, -31.4465, 36.1728</a>

# Details

The Hex color **B2DD72** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **9D72DD**, and the grayscale version is **C4C4C4**.

A 20% lighter version of the original color is **EBFFA8**, and **7BA63E** is the 20% darker color. If you saturate the color by 10%, you get **A9DD5C**, and if you desaturate by 10%, it is **BBDD88**.

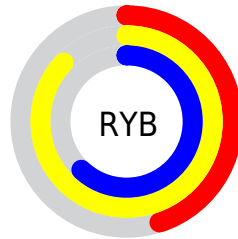
# Distribution



Red (70%)

Green (87%)

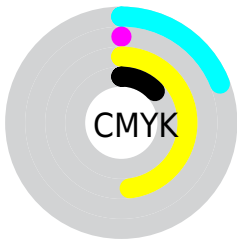
Blue (45%)



Red (45%)

Yellow (87%)

Blue (62%)

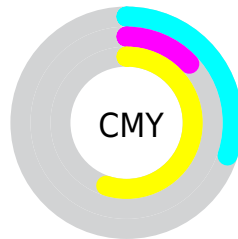


Cyan (19%)

Magenta (0%)

Yellow (48%)

Black (13%)



Cyan (30%)

Magenta (13%)

Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B2DD72 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 B2DD72 by changing the saturation by 10% instead.



 B2DD72

 B2DD72

FFFFFF

 96C158

 EBFFA8

 7BA63E

 FFFFC4

 608B24

 FFFFEO

 467202

FFFFFFD

 2C5900

 104100

 002B00

 001300

 000000

 B2DD72

 B2DD72

 A9DD5C

 BBDD88

 A0DD46

 C4DD9E

 97DD30

 CDDDB4

 8EDD1A

 D6DDCA

 86DD04

 DEDDE1

 84DD00

 E7DDF7

 F0DDFF

 F9DDFF

 FFDDFF

# Harmonies

## Analogous

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



EACE61



B2DD72



6BE69D

# Triad

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



B2DD72



00E1FF



FFA2CB

# Complementary

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



B2DD72



9D72DD

# 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.



FFABFF



B2DD72



7DD3FF

# Square

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



B2DD72



00E9FF



DBBFFF



FFA997

# Rectangle

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



B2DD72



00EAC1



DBBFFF



FFA3DE

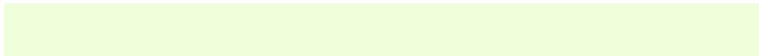


# Sweetspot

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



B2DD72



F0FFD9



DD9D72



768069



000000



808080



# Same Dimension

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



B2DD72



C4FF6B



7DDD72



696E63



68AD00



1B2E00



# Inverse Universe

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



9D72DD



A76BFF



D272DD



67636E



4600AD



12002E



# Previews

## White Background



This preview shows how the Hex color B2DD72 looks on a white background.

## Color Contrast Check

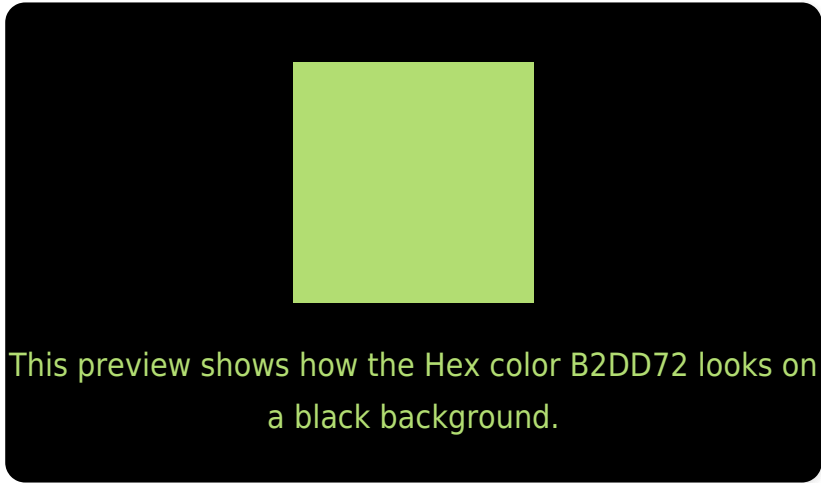
Large Text (above 18pt) WCAG AA × Fail

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 B2DD72 Background



This preview shows how black text looks on a background with the Hex color B2DD72.

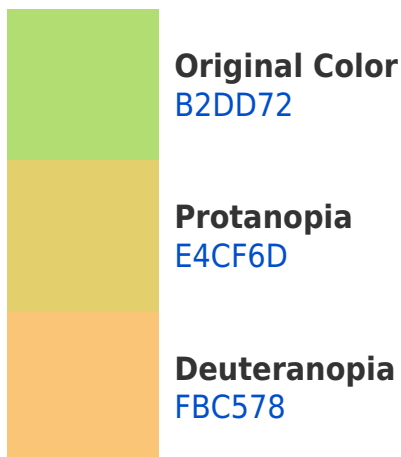


This preview shows how white text looks on a background with the Hex color B2DD72.

# 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**  
C1D1E1

# Trichromacy



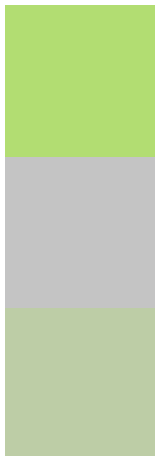
**Original Color**  
B2DD72

**Protanomaly**  
D2D46F

**Deuteranomaly**  
E0CE76

**Tritanomaly**  
BCD5B9

# Monochromacy



**Original Color**  
B2DD72

**Achromatopsia**  
C4C4C4

**Achromatomaly**  
BDCDA6

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B2DD72 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 #B2DD72 looks like.

```
.text, #text, p{  
    color:#B2DD72  
}
```

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 #B2DD72 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B2DD72
}
```

## Border

The CSS property to change the border of an element to Hex B2DD72 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
#B2DD72 }
```

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

```
.border{ border-color:#B2DD72 }
```

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

Here you see how a box with a 4 pixel #B2DD72 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B2DD72; -webkit-box-shadow:4px 4px  
4px 4px #B2DD72; box-shadow:4px 4px 4px  
4px #B2DD72 }
```

# Background

The CSS property to change the background color of an element to Hex B2DD72 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B2DD72 }
```

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

```
.background{ background-color:#B2DD72 }
```

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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