

# Converting Colors

Hex(B2D370)

Have a look what the booklet for  
Hex(B2D370) contains.

<b>Hex(B2D370)</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(B2D370)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2D370
RGB	178, 211, 112
RGB Percent	70%, 83%, 44%
CMY	0.3020, 0.1725, 0.5608
CMYK	0.16, 0.00, 0.47, 0.17
HSL	80°, 53%, 63%
HSV	80°, 47%, 83%
XYZ	44.5790, 57.2234, 24.0249
YIQ	189.8470, 12.1110, -37.7850

# Conversions

## Conversions Part 2

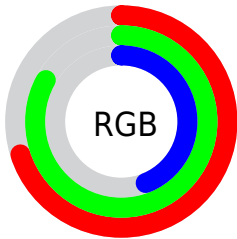
Format	Color
<a href="#">RYB</a>	<a href="#">112, 211, 145</a>
Decimal	<a href="#">11719536</a>
CIELab	<a href="#">80.31, -26.63, 45.19</a>
CIElCh	<a href="#">80, 52.451, 120.511</a>
Yxy	<a href="#">57.2234, 0.3543, 0.4548</a>
Android (android.graphics.Color)	<a href="#">4289909616 (0xFFB2D370)</a>
YUV	<a href="#">189.8470, -38.3786, -10.3898</a>
Hunter-Lab	<a href="#">75.6461, -27.1889, 34.1220</a>

# Details

The Hex color **B2D370** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **9170D3**, and the grayscale version is **BEBEBE**.

A 20% lighter version of the original color is **EBFFA6**, and **7B9C3D** is the 20% darker color. If you saturate the color by 10%, you get **ABD35B**, and if you desaturate by 10%, it is **B9D385**.

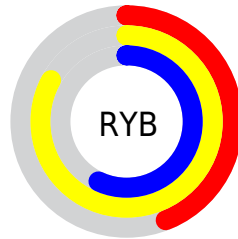
# Distribution



Red (70%)

Green (83%)

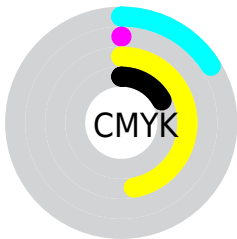
Blue (44%)



Red (44%)

Yellow (83%)

Blue (57%)

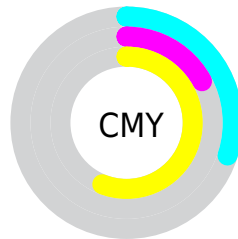


Cyan (16%)

Magenta (0%)

Yellow (47%)

Black (17%)



Cyan (30%)

Magenta (17%)

Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B2D370 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 B2D370 by changing the saturation by 10% instead.



 B2D370

 B2D370

FFFFFF

 96B756

 EBFFA6

 7B9C3D

 FFFFC1

 618223

 FFFFDE


 476903

 FFFFFB

 2E5100

 143900

 002400

 000200

 000000

 B2D370

 B2D370

 ABD35B

 B9D385

 A4D346

 C0D39A

 9DD331

 C7D3AF

 96D31C

 CED3C4

 8FD307

 D5D3D9

 8DD300

 DCD3EF

 E3D3FF

 EAD3FF

 F1D3FF

# Harmonies

## Analogous

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



E4C563



B2D370



74DC95

# Triad

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



B2D370



00D9FF



FF9FC8

# Complementary

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



B2D370



9170D3

# 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.



FFA8F8



B2D370



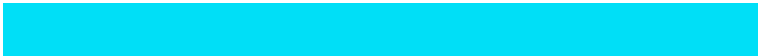
76CCFF

# Square

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



B2D370



00DFF7



CCBAFF



FFA498

# Rectangle

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



B2D370



37E0B5



CCBAFF



FFA0D9

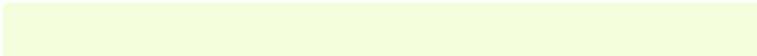


# Sweetspot

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



B2D370



F3FFDB



D39170



78806A



000000



808080



# Same Dimension

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



B2D370



CFFF70



80D370



65695E



70A800



1B2900



# Inverse Universe

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



9170D3



A070FF



C370D3



625E69



3800A8



0E0029



# Previews

## White Background



This preview shows how the Hex color B2D370 looks on a white background.

## Color Contrast Check

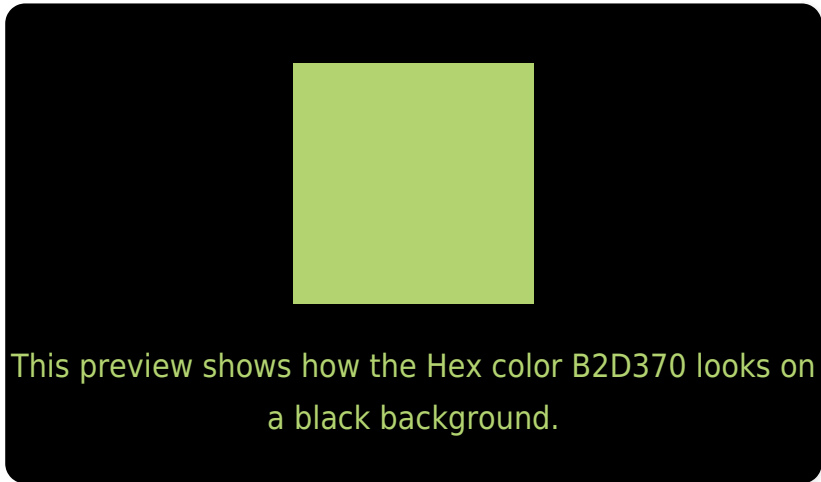
Large Text (above 18pt) WCAG AA × Fail

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

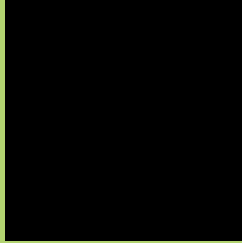
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex B2D370 Background



This preview shows how black text looks on a background with the Hex color B2D370.

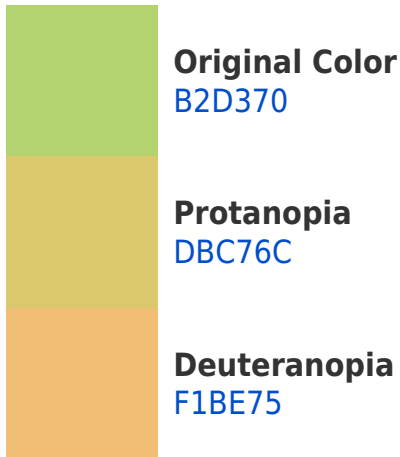


This preview shows how white text looks on a background with the Hex color B2D370.

# 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](#).

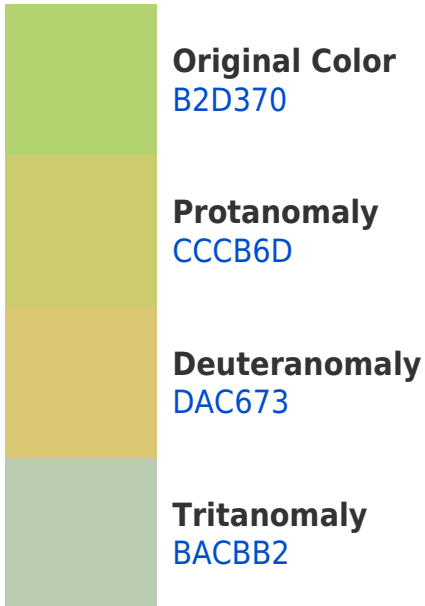
## Dichromacy



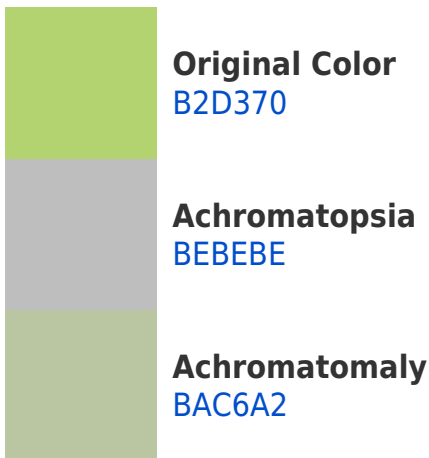


**Tritanopia**  
BFC7D7

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex B2D370 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 #B2D370 looks like.

```
.text, #text, p{  
    color:#B2D370  
}
```

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 #B2D370 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B2D370
}
```

## Border

The CSS property to change the border of an element to Hex B2D370 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
#B2D370 }
```

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

```
.border{ border-color:#B2D370 }
```

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

Here you see how a box with a 4 pixel #B2D370 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B2D370; -webkit-box-shadow:4px 4px  
4px 4px #B2D370; box-shadow:4px 4px 4px  
4px #B2D370 }
```

# Background

The CSS property to change the background color of an element to Hex B2D370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B2D370 }
```

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

```
.background{ background-color:#B2D370 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor