

# Converting Colors

Hex(B0CA42)

Have a look what the booklet for  
Hex(B0CA42) contains.

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# Color

Hex(**B0CA42**)

# Conversions

## Conversions Part 1

Format	Color
Hex	B0CA42
RGB	176, 202, 66
RGB Percent	69%, 79%, 26%
CMY	0.3098, 0.2078, 0.7412
CMYK	0.13, 0.00, 0.67, 0.21
HSL	71°, 56%, 53%
HSV	71°, 67%, 79%
XYZ	40.0084, 51.8645, 13.0564
YIQ	178.7220, 28.1600, -47.8080

# Conversions

## Conversions Part 2

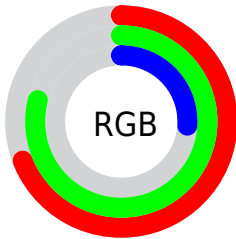
Format	Color
<a href="#">RYB</a>	<a href="#">66, 202, 92</a>
Decimal	<a href="#">11586114</a>
CIELab	<a href="#">77.20, -27.00, 62.06</a>
CIELCh	<a href="#">77, 67.684, 113.512</a>
Yxy	<a href="#">51.8645, 0.3813, 0.4943</a>
Android (android.graphics.Color)	<a href="#">4289776194 (0xFFB0CA42)</a>
YUV	<a href="#">178.7220, -55.5719, -2.3872</a>
Hunter-Lab	<a href="#">72.0170, -26.8658, 39.6628</a>

# Details

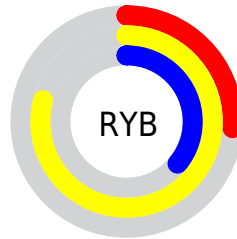
The Hex color **B0CA42** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **5C42CA**, and the grayscale version is **B3B3B3**.

A 20% lighter version of the original color is **EAFF79**, and **789400** is the 20% darker color. If you saturate the color by 10%, you get **ACCA2E**, and if you desaturate by 10%, it is **B4CA56**.

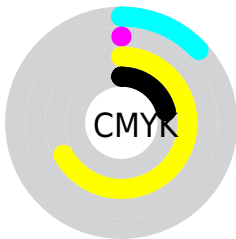
# Distribution



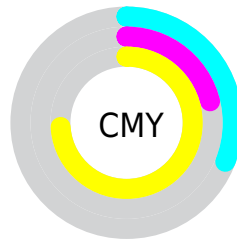
- Red (69%)
- Green (79%)
- Blue (26%)



- Red (26%)
- Yellow (79%)
- Blue (36%)



- Cyan (13%)
- Magenta (0%)
- Yellow (67%)
- Black (21%)



- Cyan (31%)
- Magenta (21%)
- Yellow (74%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B0CA42 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 B0CA42 by changing the saturation by 10% instead.



 B0CA42

 B0CA42

FFFFFF

 94AF24

 EAFF79

 789400

 FFFF95

 5D7A00

 FFFFB1

 426100

 FFFFCD

 274900

 FFFFEA

 083200

 001F00

 000000

 B0CA42

 B0CA42

 ACCA2E

 B4CA56

 A8CA1A

 B8CA6A

 A4CA05

 BCCA7F

 A3CA00

 BFCA93

 C3CAA7

 C7CABB

 CBCACF

 CFCAE4

 D3CAF8

# Harmonies

## Analogous

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



ECB739



B0CA42



60D670

# Triad

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



B0CA42



00D7FF



FF86CF

# Complementary

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



B0CA42



5C42CA

# 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.



FE99FF



B0CA42



00CAFF

# Square

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



B0CA42



00DDEF



A9B4FF



FF8990

# Rectangle

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



B0CA42



00DB99



A9B4FF



FF8BE4

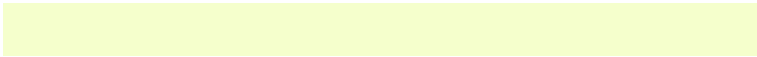


# Sweetspot

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



B0CA42



F5FFCC



CA5B42



7A8061



000000



808080



# Same Dimension

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



B0CA42



D8FF30



6DCA42



64665C



86A600



1F2600



# Inverse Universe

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



5C42CA



5830FF



9F42CA



5E5C66



2000A6



070026



# Previews

## White Background



This preview shows how the Hex color B0CA42 looks on a white background.

## Color Contrast Check

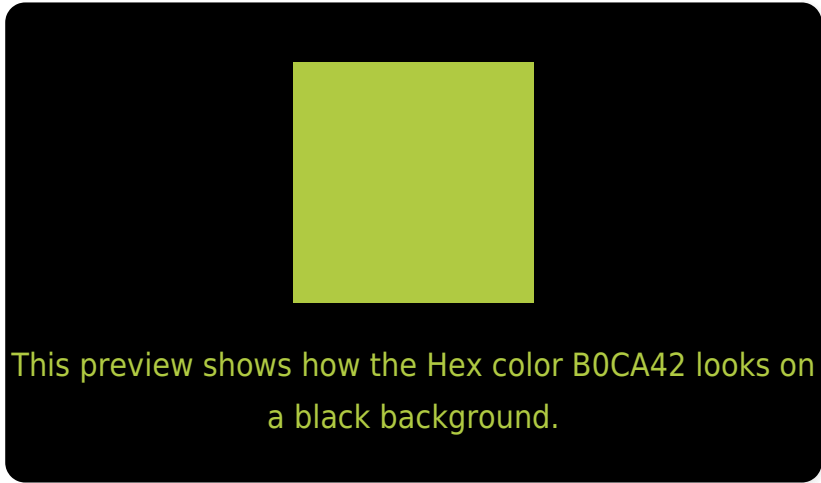
Large Text (above 18pt) WCAG AA × Fail

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 B0CA42 Background



This preview shows how black text looks on a background with the Hex color B0CA42.

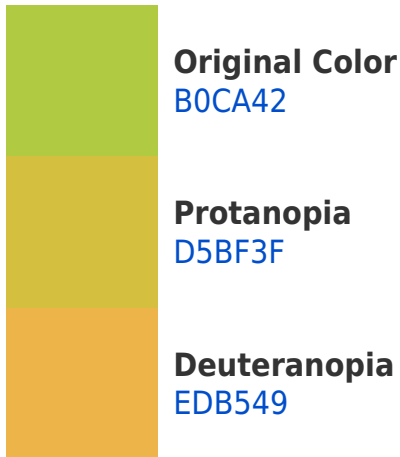


This preview shows how white text looks on a background with the Hex color B0CA42.

# 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





# Trichromacy



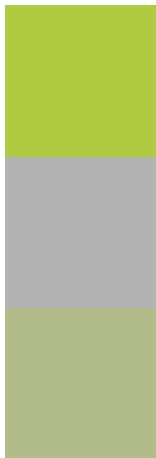
**Original Color**  
B0CA42

**Protanomaly**  
C8C340

**Deuteranomaly**  
D7BD46

**Tritanomaly**  
B9C29A

# Monochromacy



**Original Color**  
B0CA42

**Achromatopsia**  
B3B3B3

**Achromatomaly**  
B2BB8A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B0CA42 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 #B0CA42 looks like.

```
.text, #text, p{  
    color:#B0CA42  
}
```

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 #B0CA42 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B0CA42
}
```

## Border

The CSS property to change the border of an element to Hex B0CA42 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
#B0CA42 }
```

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

```
.border{ border-color:#B0CA42 }
```

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

Here you see how a box with a 4 pixel #B0CA42 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B0CA42; -webkit-box-shadow:4px 4px  
4px 4px #B0CA42; box-shadow:4px 4px 4px  
4px #B0CA42 }
```

# Background

The CSS property to change the background color of an element to Hex B0CA42 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B0CA42 }
```

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

```
.background{ background-color:#B0CA42 }
```

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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