

# Converting Colors

Hex(B1B749)

Have a look what the booklet for  
Hex(B1B749) contains.

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**Color**

**Hex(B1B749)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B1B749
RGB	177, 183, 73
RGB Percent	69%, 72%, 29%
CMY	0.3059, 0.2824, 0.7137
CMYK	0.03, 0.00, 0.60, 0.28
HSL	63°, 43%, 50%
HSV	63°, 60%, 72%
XYZ	36.2675, 43.6951, 12.8258
YIQ	168.6660, 31.7340, -35.4820

# Conversions

## Conversions Part 2

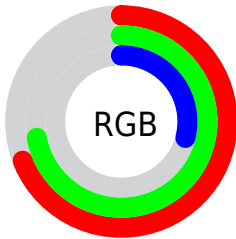
Format	Color
<a href="#">RYB</a>	<a href="#">73, 183, 79</a>
Decimal	<a href="#">11646793</a>
CIELab	<a href="#">72.02, -16.76, 53.73</a>
CIELCh	<a href="#">72, 56.278, 107.323</a>
Yxy	<a href="#">43.6951, 0.3909, 0.4709</a>
Android (android.graphics.Color)	<a href="#">4289836873 (0xFFB1B749)</a>
YUV	<a href="#">168.6660, -47.1633, 7.3089</a>
Hunter-Lab	<a href="#">66.1023, -17.7436, 34.7676</a>

# Details

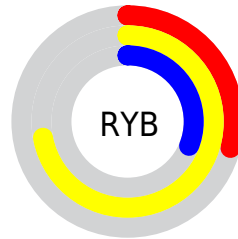
The Hex color **B1B749** is a dark color, and the websafe version is hex **CCCC66**. A complement of this color would be **4F49B7**, and the grayscale version is **A9A9A9**.

A 20% lighter version of the original color is **EBEF7E**, and **7A820F** is the 20% darker color. If you saturate the color by 10%, you get **B0B737**, and if you desaturate by 10%, it is **B2B75B**.

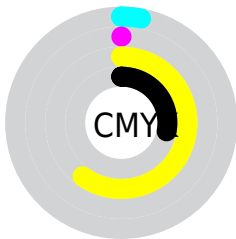
# Distribution



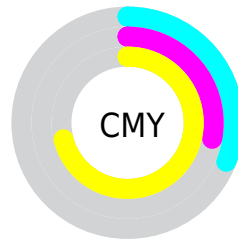
- Red (69%)
- Green (72%)
- Blue (29%)



- Red (29%)
- Yellow (72%)
- Blue (31%)



- Cyan (3%)
- Magenta (0%)
- Yellow (60%)
- Black (28%)



- Cyan (31%)
- Magenta (28%)
- Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B1B749 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 B1B749 by changing the saturation by 10% instead.



 B1B749

 B1B749

FFFFFF

 959C2E

 EBEF7E

 7A820F

 FFFF99

 5F6900

 FFFFB5

 455100

 FFFFD1

 2B3A00

 FFFFEE

 122500

 000D00

 000000

 B1B749

 B1B749

 B0B737

 B2B75B

 AFB724

 B3B76E

 AEB712

 B4B780

 ADB700

 B5B792

 B6B7A5

 B7B7B7

 B8B7C9

 B9B7DB

 BAB7EE

# Harmonies

## Analogous

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



E0A649



B1B749



76C368

# Triad

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



B1B749



00C6FB



FF87C9

# Complementary

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



B1B749



4F49B7

# 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.



DA97F7



B1B749



00BCFF

# Square

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



B1B749



00CACE



8EACFF



FF8595

# Rectangle

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



B1B749



3BC787



8EACFF



FA8BD9



# Sweetspot

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



B1B749



EBEDC2



B74F49



76785D



F7F7F7



787878



# Same Dimension

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



B1B749



E4ED42



7AB749



5B5C53



939C00



1B1C00



# Inverse Universe

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



4F49B7



4C42ED



8549B7



53535C



08009C



02001C



# Previews

## White Background



This preview shows how the Hex color B1B749 looks on a white background.

## Color Contrast Check

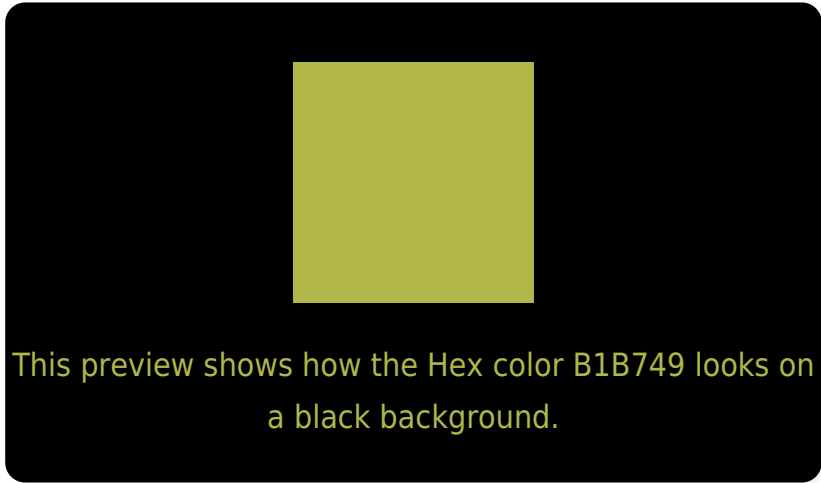
Large Text (above 18pt) WCAG AA × Fail

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 B1B749 Background



This preview shows how black text looks on a background with the Hex color B1B749.

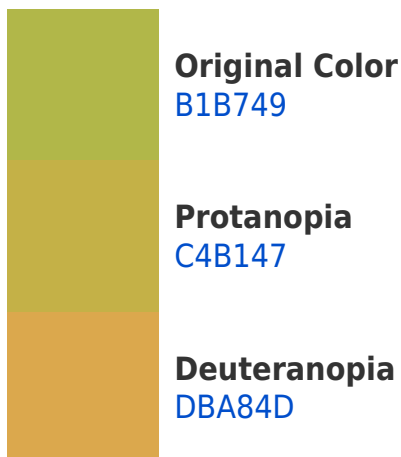


This preview shows how white text looks on a background with the Hex color B1B749.

# Color Blindness Simulation

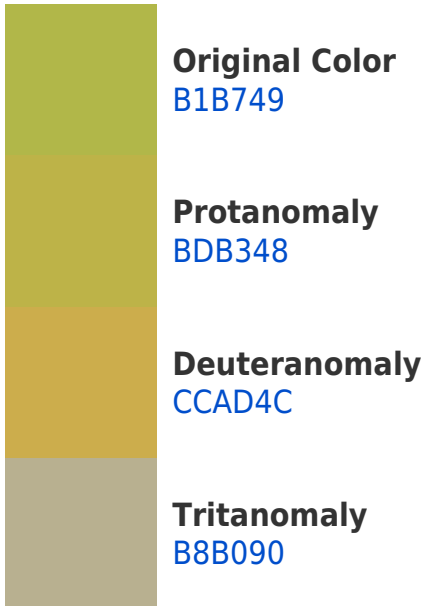
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy

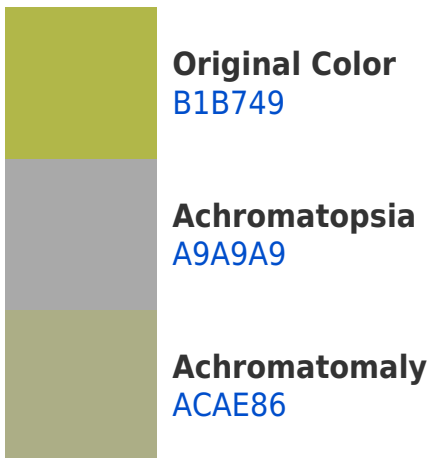




# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex B1B749 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 #B1B749 looks like.

```
.text, #text, p{  
    color:#B1B749  
}
```

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 #B1B749 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B1B749
}
```

## Border

The CSS property to change the border of an element to Hex B1B749 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
#B1B749 }
```

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

```
.border{ border-color:#B1B749 }
```

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

Here you see how a box with a 4 pixel #B1B749 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B1B749; -webkit-box-shadow:4px 4px  
4px 4px #B1B749; box-shadow:4px 4px 4px  
4px #B1B749 }
```

# Background

The CSS property to change the background color of an element to Hex B1B749 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B1B749 }
```

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

```
.background{ background-color:#B1B749 }
```

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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