

# Converting Colors

Hex(B2B406)

Have a look what the booklet for  
Hex(B2B406) contains.

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**Color**

**Hex(B2B406)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B2B406
RGB	178, 180, 6
RGB Percent	70%, 71%, 2%
CMY	0.3020, 0.2941, 0.9765
CMYK	0.01, 0.00, 0.97, 0.29
HSL	61°, 94%, 36%
HSV	61°, 97%, 71%
XYZ	34.7142, 42.1206, 6.4728
YIQ	159.5660, 54.6620, -54.5380

# Conversions

## Conversions Part 2

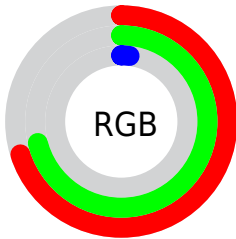
Format	Color
<a href="#">RYB</a>	<a href="#">6, 180, 8</a>
Decimal	<a href="#">11711494</a>
CIELab	<a href="#">70.95, -17.40, 71.86</a>
CIElCh	<a href="#">71, 73.941, 103.609</a>
Yxy	<a href="#">42.1206, 0.4167, 0.5056</a>
Android (android.graphics.Color)	<a href="#">4289901574</a> (0xFFB2B406)
YUV	<a href="#">159.5660, -75.7080, 16.1666</a>
Hunter-Lab	<a href="#">64.9004, -18.0988, 39.5171</a>

# Details

The Hex color **B2B406** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **0806B4**, and the grayscale version is **A0A0A0**.

A 20% lighter version of the original color is **EDEC51**, and **798000** is the 20% darker color. If you saturate the color by 10%, you get **B2B400**, and if you desaturate by 10%, it is **B2B418**.

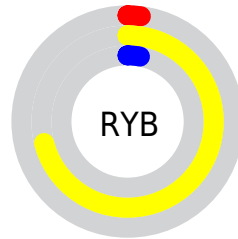
# Distribution



Red (70%)

Green (71%)

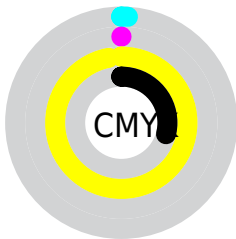
Blue (2%)



Red (2%)

Yellow (71%)

Blue (3%)

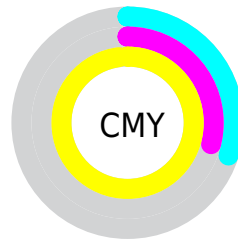


Cyan (1%)

Magenta (0%)

Yellow (97%)

Black (29%)



Cyan (30%)

Magenta (29%)

Yellow (98%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B2B406 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 B2B406 by changing the saturation by 10% instead.





B2B406



B2B406

FFFFFF



959900



EDEC51



798000



FFFF6D



5D6700



FFFF8A



424F00



FFFFA6



273800



FFFFC3



0E2300



FFFFE0



000700

FFFFFFE



000000



B2B406



B2B406

 B2B400

 B2B418

 B2B42A

 B3B43C

 B3B44E

 B3B460

 B3B472

 B3B484

 B4B496

 B4B4A8

# Harmonies

## Analogous

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



ED9D1B



B2B406



64C344

# Triad

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



B2B406



00CAFF



FF71D5

# Complementary

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



B2B406



0806B4

# 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.



D88EFF



B2B406



00C0FF

# Square

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



B2B406



00CDCB



58ABFF



FF6B92

# Rectangle

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



B2B406



00C96E



58ABFF



FF79EB



# Sweetspot

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



B2B406



EAEBA7



B40606



75754C



F5F5F5



757575



# Same Dimension

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



B2B406



E8EB00



5DB406



595950



979900



191A00



# Inverse Universe

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



0806B4



0300EB



5D06B4



505059



020099



00001A



# Previews

## White Background



This preview shows how the Hex color B2B406 looks on a white background.

## Color Contrast Check

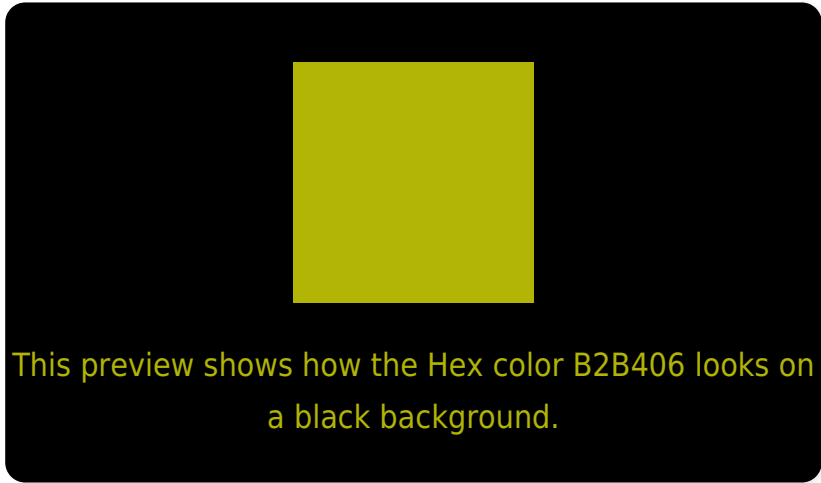
Large Text (above 18pt) WCAG AA × Fail

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 B2B406 Background



This preview shows how black text looks on a background with the Hex color B2B406.

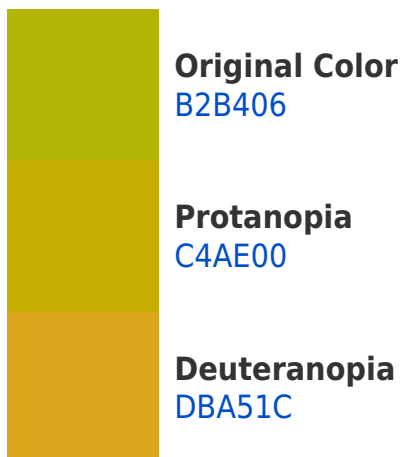


This preview shows how white text looks on a background with the Hex color B2B406.

# 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**  
BEA7B4

# Trichromacy



**Original Color**  
B2B406

**Protanomaly**  
BDB002

**Deuteranomaly**  
CCAA14

**Tritanomaly**  
BAAC75

# Monochromacy



**Original Color**  
B2B406

**Achromatopsia**  
A0A0A0

**Achromatomaly**  
A7A768

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B2B406 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 #B2B406 looks like.

```
.text, #text, p{  
    color:#B2B406  
}
```

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 #B2B406 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B2B406
}
```

## Border

The CSS property to change the border of an element to Hex B2B406 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
#B2B406 }
```

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

```
.border{ border-color:#B2B406 }
```

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

Here you see how a box with a 4 pixel #B2B406 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B2B406; -webkit-box-shadow:4px 4px  
4px 4px #B2B406; box-shadow:4px 4px 4px  
4px #B2B406 }
```

# Background

The CSS property to change the background color of an element to Hex B2B406 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B2B406 }
```

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

```
.background{ background-color:#B2B406 }
```

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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