

# Converting Colors

Hex(B3B705)

Have a look what the booklet for  
Hex(B3B705) contains.

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**Color**

**Hex(B3B705)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3B705
RGB	179, 183, 5
RGB Percent	70%, 72%, 2%
CMY	0.2980, 0.2824, 0.9804
CMYK	0.02, 0.00, 0.97, 0.28
HSL	61°, 95%, 37%
HSV	61°, 97%, 72%
XYZ	35.5513, 43.4616, 6.6588
YIQ	161.5120, 54.7540, -56.2060

# Conversions

## Conversions Part 2

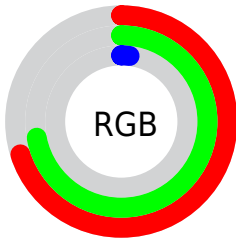
Format	Color
R <sub>Y</sub> B	5, 183, 9
Decimal	11777797
CIE Lab	71.87, -18.48, 72.70
CIE LCh	72, 75.011, 104.265
Yxy	43.4616, 0.4150, 0.5073
Android (android.graphics.Color)	4289967877 (0xFFB3B705)
YUV	161.5120, -77.1604, 15.3370
Hunter-Lab	65.9254, -19.1107, 40.1593

# Details

The Hex color **B3B705** is a dark color, and the websafe version is hex **CCCC33**. A complement of this color would be **0905B7**, and the grayscale version is **A2A2A2**.

A 20% lighter version of the original color is **EEEE51**, and **7A8200** is the 20% darker color. If you saturate the color by 10%, you get **B3B700**, and if you desaturate by 10%, it is **B3B717**.

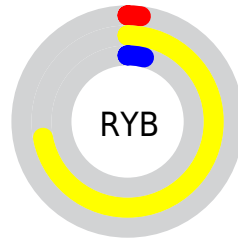
# Distribution



Red (70%)

Green (72%)

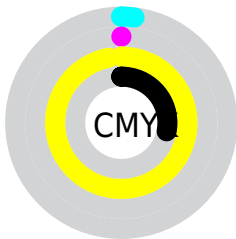
Blue (2%)



Red (2%)

Yellow (72%)

Blue (4%)

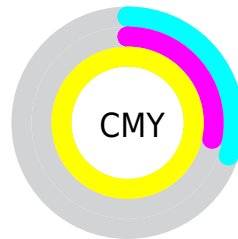


Cyan (2%)

Magenta (0%)

Yellow (97%)

Black (28%)



Cyan (30%)

Magenta (28%)

Yellow (98%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B3B705 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 B3B705 by changing the saturation by 10% instead.



 B3B705

 B3B705

FFFFFF

 969C00

 EEEF51

 7A8200

 FFFF6E

 5E6900

 FFFF8A

 435100

 FFFFA7

 283A00

 FFFFC3

 0E2500

 FFFFEE

 000D00

FFFFFFE

 000000

 B3B705

 B3B705

 B3B700

 B3B717

 B4B72A

 B4B73C

 B5B74E

 B5B761

 B5B773

 B6B785

 B6B797

 B7B7AA

# Harmonies

## Analogous

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



EFA019



B3B705



63C646

# Triad

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



B3B705



00CDFE



FF2D77

# Complementary

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



B3B705



0905B7

# 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.



DD8FFF



B3B705



00C2FF

# Square

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



B3B705



00D0D0



5EADFF



FF6C92

# Rectangle

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



B3B705



00CC71



5EADFF



FF7AED



# Sweetspot

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



B3B705



ECEDA8



B70805



77784E



F7F7F7



787878



# Same Dimension

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



B3B705



E8ED00



5BB705



5C5C53



989C00



1B1C00



# Inverse Universe

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



0905B7



0500ED



6105B7



53535C



03009C



01001C



# Previews

## White Background



This preview shows how the Hex color B3B705 looks on a white background.

## Color Contrast Check

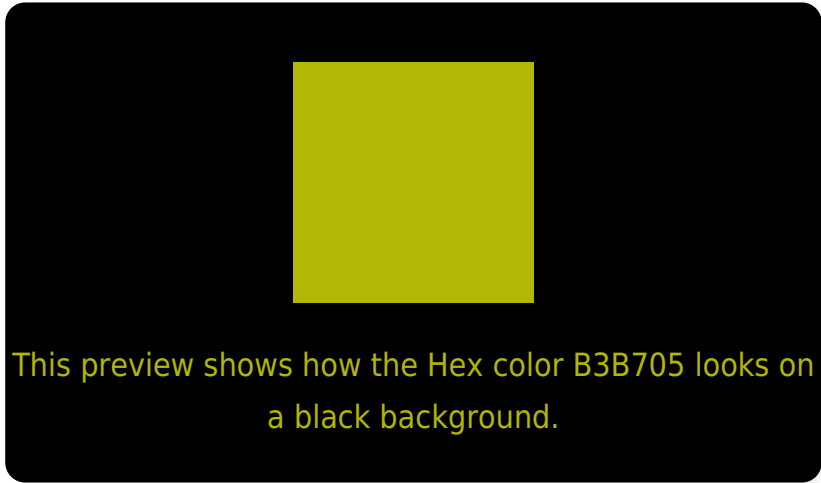
Large Text (above 18pt) WCAG AA × Fail

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 B3B705 Background



This preview shows how black text looks on a background with the Hex color B3B705.



This preview shows how white text looks on a background with the Hex color B3B705.

# 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



**Original Color**  
B3B705

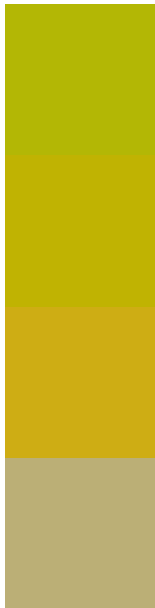
**Protanopia**  
C7B000

**Deuteranopia**  
DEA71D



**Tritanopia**  
BFAAB7

# Trichromacy



**Original Color**  
B3B705

**Protanomaly**  
C0B302

**Deuteranomaly**  
CEAD14

**Tritanomaly**  
BBAF76

# Monochromacy



**Original Color**  
B3B705

**Achromatopsia**  
A2A2A2

**Achromatomaly**  
A8AA69

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B3B705 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 #B3B705 looks like.

```
.text, #text, p{  
    color:#B3B705  
}
```

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 #B3B705 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B3B705
}
```

## Border

The CSS property to change the border of an element to Hex B3B705 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
#B3B705 }
```

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

```
.border{ border-color:#B3B705 }
```

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

Here you see how a box with a 4 pixel #B3B705 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B3B705; -webkit-box-shadow:4px 4px  
4px 4px #B3B705; box-shadow:4px 4px 4px  
4px #B3B705 }
```

# Background

The CSS property to change the background color of an element to Hex B3B705 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B3B705 }
```

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

```
.background{ background-color:#B3B705 }
```

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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