

# Converting Colors

Hex(BB8811)

Have a look what the booklet for  
Hex(BB8811) contains.

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**Color**

**Hex(BB8811)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>                |
|---------------|-----------------------------|
| Hex           | BB8811                      |
| RGB           | 187, 136, 17                |
| RGB Percent   | 73%, 53%, 7%                |
| CMY           | 0.2667, 0.4667, 0.9333      |
| CMYK          | 0.00, 0.27, 0.91, 0.27      |
| HSL           | 42°, 83%, 40%               |
| HSV           | 42°, 91%, 73%               |
| XYZ           | 29.3989, 28.2136, 4.4266    |
| YIQ           | 137.6830, 68.5950, -26.1970 |

# Conversions

## Conversions Part 2

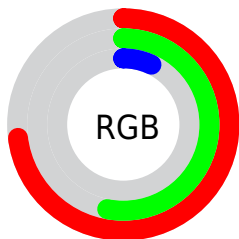
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>R<sub>YB</sub></b>               | 90, 187, 17                    |
| Decimal                             | 12290065                       |
| CIE <sub>Lab</sub>                  | 60.08, 10.21, 62.40            |
| CIE <sub>LCh</sub>                  | 60, 63.234, 80.711             |
| Yxy                                 | 28.2136, 0.4739,<br>0.4548     |
| Android<br>(android.graphics.Color) | 4290480145<br>(0xFFBB8811)     |
| YUV                                 | 137.6830, -59.4967,<br>43.2510 |
| Hunter-Lab                          | 53.1165, 5.8422,<br>32.2404    |

# Details

The Hex color **BB8811** is a dark color, and the websafe version is hex **CC9933**. A complement of this color would be **1144BB**, and the grayscale version is **8A8A8A**.

A 20% lighter version of the original color is **F8BD4D**, and **815700** is the 20% darker color. If you saturate the color by 10%, you get **BB8300**, and if you desaturate by 10%, it is **BB8E24**.

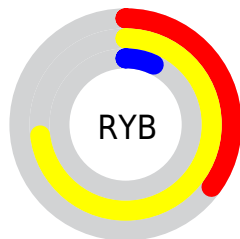
# Distribution



Red (73%)

Green (53%)

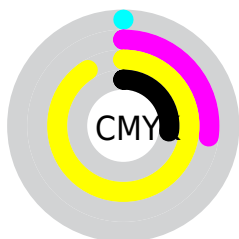
Blue (7%)



Red (35%)

Yellow (73%)

Blue (7%)

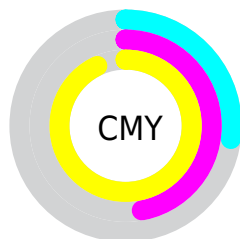


Cyan (0%)

Magenta (27%)

Yellow (91%)

Black (27%)



Cyan (27%)

Magenta (47%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Hex color BB8811 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 BB8811 by changing the saturation by 10% instead.





BB8811



BB8811

FFFFFF



9D6F00



F8BD4D



815700



FFD968



644000



FFF583



492A00



FFFF9F



2F1500



FFFFBB



160000



FFFFD7



000000



FFFFF4



BB8811



BB8811

■ BB8300

■ BB8E24

■ BB9336

■ BB9949

■ BB9E5C

■ BBA46F

■ BBAA81

■ BBAF94

■ BBB5A7

■ BBBAB9

# Harmonies

## Analogous

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



E1713B



BB8811



879A16

# Triad

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



BB8811



00ABB7



C370D8

# Complementary

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



BB8811



1144BB

# 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.



6F89FA



BB8811



00A7E6

# Square

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



BB8811



00AA7D



009CFF



EC5CA5

# Rectangle

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



BB8811



5CA235



009CFF



AD79E6



# Sweetspot

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



BB8811



F2DFB1



BB1144



7A6F53



FAFAFA



7A7A7A



# Same Dimension

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



BB8811



F2AA00



99BB11



5E5C55



9E6F00



1F1500



# Inverse Universe

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



1144BB



0049F2



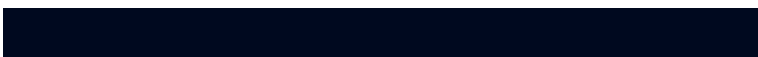
3311BB



55585E



002F9E



00091F



# Previews

## White Background



This preview shows how the Hex color BB8811 looks on a white background.

## Color Contrast Check

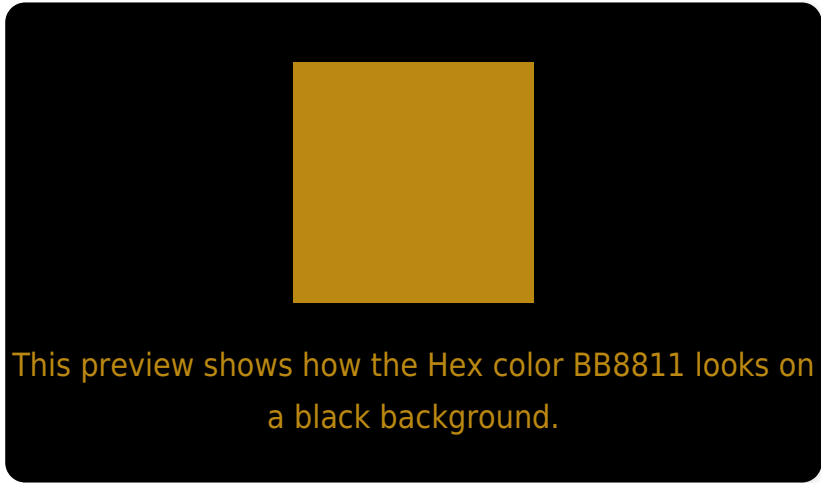
Large Text (above 18pt) WCAG AA ✓ Pass

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 × Fail

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



## Hex BB8811 Background



This preview shows how black text looks on a background with the Hex color BB8811.



This preview shows how white text looks on a background with the Hex color BB8811.

# 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**  
BB8811

**Protanopia**  
A49214

**Deuteranopia**  
B78A0F



**Tritanopia**  
C17E88

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex BB8811 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 #BB8811 looks like.

```
.text, #text, p{  
    color:#BB8811  
}
```

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 #BB8811 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #BB8811
}
```

## Border

The CSS property to change the border of an element to Hex BB8811 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
#BB8811 }
```

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

```
.border{ border-color:#BB8811 }
```

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

Here you see how a box with a 4 pixel #BB8811 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #BB8811; -webkit-box-shadow:4px 4px  
4px 4px #BB8811; box-shadow:4px 4px 4px  
4px #BB8811 }
```

# Background

The CSS property to change the background color of an element to Hex BB8811 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#BB8811 }
```

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

```
.background{ background-color:#BB8811 }
```

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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