

# Converting Colors

Hex(BB4D1D)

Have a look what the booklet for  
Hex(BB4D1D) contains.

|  |    |
|--|----|
| <b>Hex(BB4D1D)</b> .....                       | 3  |
| <b><i>Conversions</i></b> .....                | 4  |
| <b><i>Details</i></b> .....                    | 6  |
| <b><i>Harmonies</i></b> .....                  | 11 |
| <b><i>Previews</i></b> .....                   | 23 |
| <b><i>Color Blindness Simulation</i></b> ..... | 26 |
| <b><i>CSS Examples</i></b> .....               | 29 |

**Color**

**Hex(BB4D1D)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>              |
|---------------|---------------------------|
| Hex           | BB4D1D                    |
| RGB           | 187, 77, 29               |
| RGB Percent   | 73%, 30%, 11%             |
| CMY           | 0.2667, 0.6980, 0.8863    |
| CMYK          | 0.00, 0.59, 0.84, 0.27    |
| HSL           | 18°, 73%, 42%             |
| HSV           | 18°, 84%, 73%             |
| XYZ           | 23.3692, 15.9613, 3.0115  |
| YIQ           | 104.4180, 80.9680, 8.3920 |

# Conversions

## Conversions Part 2

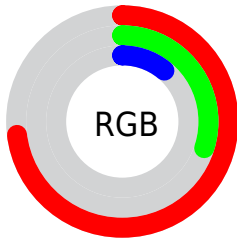
| Format                              | Color   |
|-------------------------------------|---|
| <a href="#">RYB</a>                 | <a href="#">187, 98, 29</a>                     |
| Decimal                             | <a href="#">12274973</a>                        |
| CIELab                              | <a href="#">46.92, 42.01, 48.01</a>             |
| CIELCh                              | <a href="#">47, 63.794, 48.808</a>              |
| Yxy                                 | <a href="#">15.9613, 0.5519,<br/>0.3770</a>     |
| Android<br>(android.graphics.Color) | <a href="#">4290465053<br/>(0xFFBB4D1D)</a>     |
| YUV                                 | <a href="#">104.4180, -37.1811,<br/>72.4244</a> |
| Hunter-Lab                          | <a href="#">39.9515, 34.4962,<br/>23.4968</a>   |

# Details

The Hex color **BB4D1D** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **1D8BBB**, and the grayscale version is **696969**.

A 20% lighter version of the original color is **F9814E**, and **7F1700** is the 20% darker color. If you saturate the color by 10%, you get **BB400A**, and if you desaturate by 10%, it is **BB5A30**.

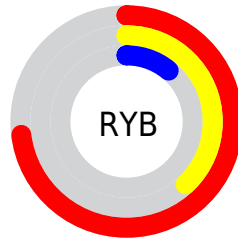
# Distribution



Red (73%)

Green (30%)

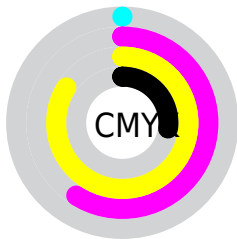
Blue (11%)



Red (73%)

Yellow (38%)

Blue (11%)

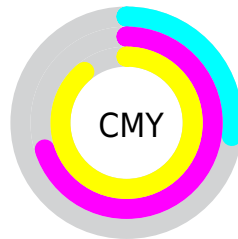


Cyan (0%)

Magenta (59%)

Yellow (84%)

Black (27%)



Cyan (27%)

Magenta (70%)

Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the Hex color BB4D1D 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 BB4D1D by changing the saturation by 10% instead.



 BB4D1D

 BB4D1D

FFFFFF

 9C3302

 F9814E

 7F1700

 FF9C67

 600000

 FFB881

 440000

 FFD49B

 2A0001

 FFF1B6

 000000

 FFFFD2

 FFFFEF

 BB4D1D

 BB4D1D

 BB400A

 BB5A30

 BB3900

 BB6742

 BB7455

 BB8168

 BB8E7B

 BB9B8D

 BBA8A0

 BBB5B3

 BBC2C5

# Harmonies

## Analogous

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



CC3450



BB4D1D



976600

# Triad

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



BB4D1D



008659



386AD6

# Complementary

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



BB4D1D



1D8BBB

# 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.



007CD9



BB4D1D



008790

# Square

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



BB4D1D



178120



0084BF



9A4FB7

# Rectangle

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



BB4D1D



787200



0084BF



0071DA



# Sweetspot

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



BB4D1D



F2C8B6



BB1D8C



7A6156



FAFAFA



7A7A7A



# Same Dimension

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



BB4D1D



F24A00



BB9B1D



5E5855



9E3000



1F0900



# Inverse Universe

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



1D8BBB



00A9F2



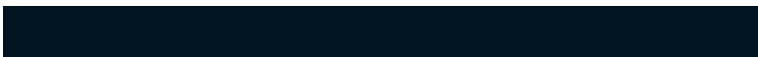
1D3DBB



555B5E



006E9E

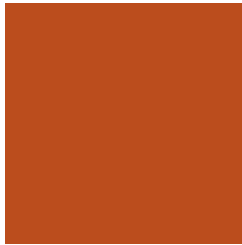


00151F



# Previews

## White Background



This preview shows how the Hex color BB4D1D looks on a white background.

## Color Contrast Check

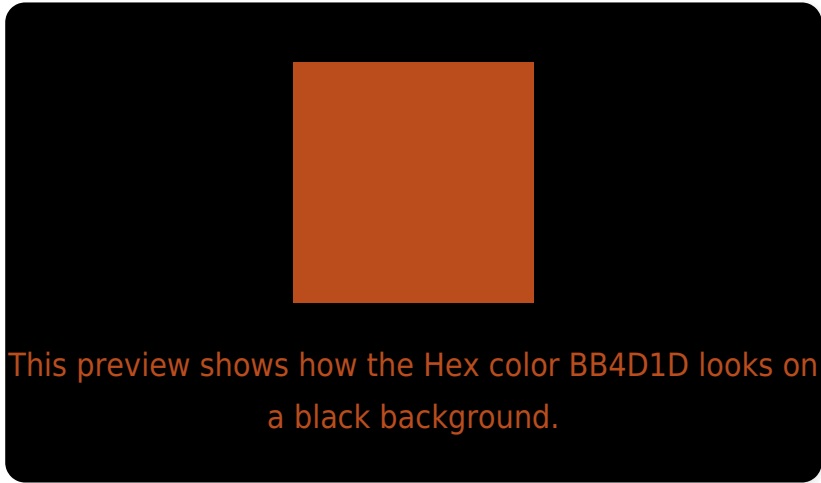
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black 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

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



## Hex BB4D1D Background



This preview shows how black text looks on a background with the Hex color BB4D1D.



This preview shows how white text looks on a background with the Hex color BB4D1D.

# 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**  
BB4D1D

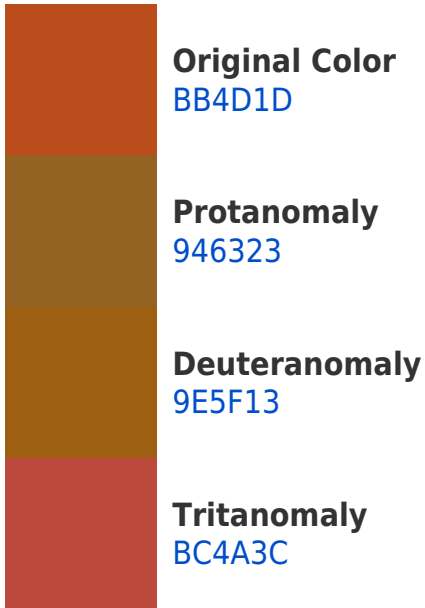
**Protanopia**  
7D7026

**Deuteranopia**  
8D6A0E

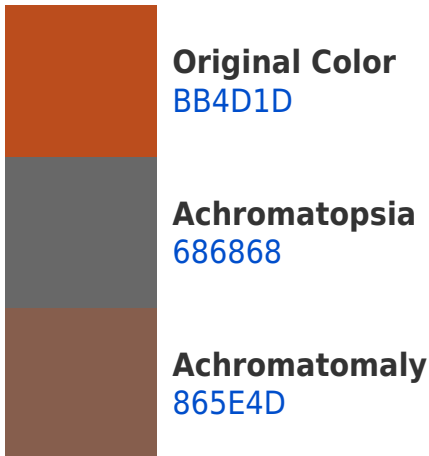


**Tritanopia**  
BD484D

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex BB4D1D 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 #BB4D1D looks like.

```
.text, #text, p{  
    color:#BB4D1D  
}
```

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 #BB4D1D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #BB4D1D
}
```

## Border

The CSS property to change the border of an element to Hex BB4D1D 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
#BB4D1D }
```

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

```
.border{ border-color:#BB4D1D }
```

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

Here you see how a box with a 4 pixel #BB4D1D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #BB4D1D; -webkit-box-shadow:4px 4px  
4px 4px #BB4D1D; box-shadow:4px 4px 4px  
4px #BB4D1D }
```

# Background

The CSS property to change the background color of an element to Hex BB4D1D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#BB4D1D }
```

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

```
.background{ background-color:#BB4D1D }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor