

# Converting Colors

Hex(BB2300)

Have a look what the booklet for  
Hex(BB2300) contains.

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**Color**

**Hex(BB2300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BB2300
RGB	187, 35, 0
RGB Percent	73%, 14%, 0%
CMY	0.2667, 0.8627, 1.0000
CMYK	0.00, 0.81, 1.00, 0.27
HSL	11°, 100%, 37%
HSV	11°, 100%, 73%
XYZ	21.0945, 11.7669, 1.1594
YIQ	76.4580, 101.8270, 21.3390

# Conversions

## Conversions Part 2

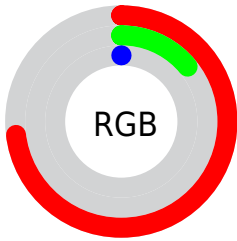
Format	Color
<a href="#">RYB</a>	187, 43, 0
Decimal	12264192
CIELab	40.84, 57.71, 54.00
CIELCh	41, 79.038, 43.100
Yxy	11.7669, 0.6200, 0.3459
Android (android.graphics.Color)	4290454272 (0xFFBB2300)
YUV	76.4580, -37.6938, 96.9453
Hunter-Lab	34.3029, 49.7386, 22.0080

# Details

The Hex color **BB2300** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **0098BB**, and the grayscale version is **4D4D4D**.

A 20% lighter version of the original color is **FC5F35**, and **7C0000** is the 20% darker color. If you saturate the color by 10%, you get **BB2300**, and if you desaturate by 10%, it is **BB3213**.

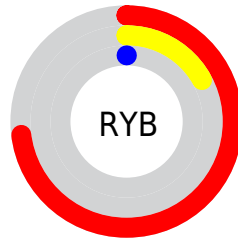
# Distribution



Red (73%)

Green (14%)

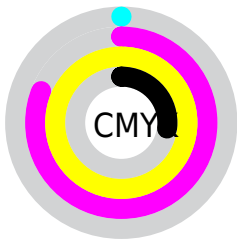
Blue (0%)



Red (73%)

Yellow (17%)

Blue (0%)

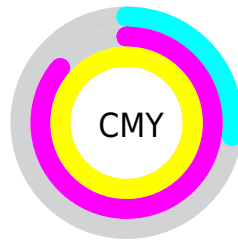


Cyan (0%)

Magenta (81%)

Yellow (100%)

Black (27%)



Cyan (27%)

Magenta (86%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color BB2300 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 BB2300 by changing the saturation by 10% instead.



 BB2300

 BB2300

 FFFFEF

 9B0000

 FC5F35

 7C0000

 FF7B4D

 5D0000

 FF9766

 410002

 FFB380

 200001

 FFD09B

 000000

 FFEDB6

 FFFF D2

 BB2300

 BB3213

 BB4125

 BB5138

 BB604B

 BB6F5E

 BB7E70

 BB8D83

 BB9D96

 BBACA8

# Harmonies

## Analogous

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



CC0048



BB2300



934F00

# Triad

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



BB2300



007837



0060E1

# Complementary

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



BB2300



0098BB

# 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.



0072DE



BB2300



007A7C

# Square

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



BB2300



007200



0079B9



823CC1

# Rectangle

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



BB2300



706000



0079B9



0068E4



# Sweetspot

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



BB2300



F2B7AA



BB0099



7A574E



FAFAFA



7A7A7A



# Same Dimension

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



BB2300



F22D00



BB8000



5E5755



9E1E00



1F0600



# Inverse Universe

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



0098BB



00C5F2



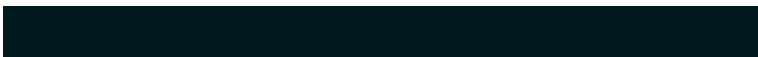
003BBB



555D5E



00819E



00191F



# Previews

## White Background



This preview shows how the Hex color BB2300 looks on a white background.

## Color Contrast Check

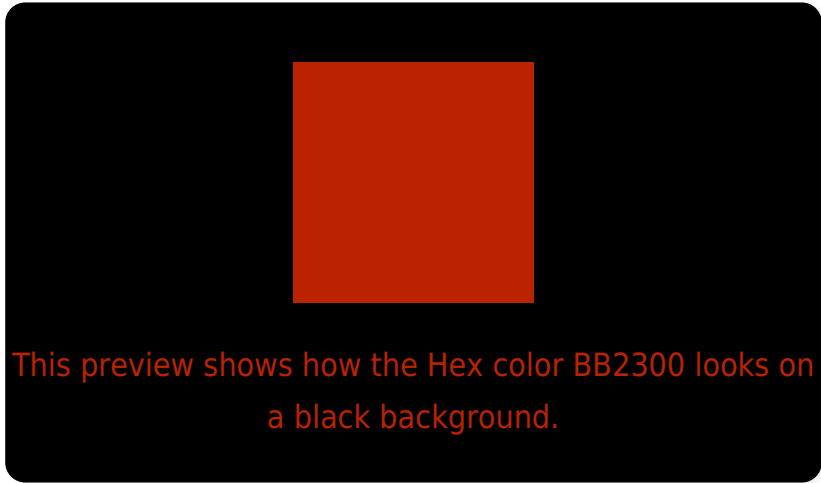
Large Text (above 18pt) WCAG AA ✓ Pass

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 BB2300 Background



This preview shows how black text looks on a background with the Hex color BB2300.



This preview shows how white text looks on a background with the Hex color BB2300.

# 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



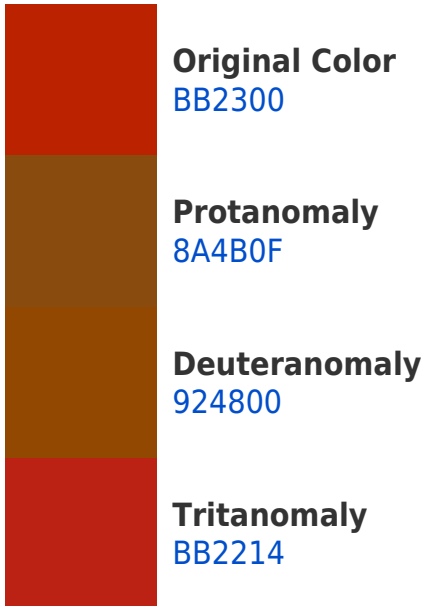
**Original Color**  
BB2300

**Protanopia**  
6E6217

**Deuteranopia**  
7B5D00



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex BB2300 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 #BB2300 looks like.

```
.text, #text, p{  
    color:#BB2300  
}
```

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 #BB2300 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #BB2300 }  
}
```

## Border

The CSS property to change the border of an element to Hex BB2300 is called "border". The border property can be set on classes, ids or directly on the HTML element.

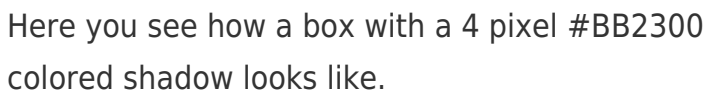
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid #BB2300 }  
}
```

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

```
.border{ border-color:#BB2300 }
```

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



Here you see how a box with a 4 pixel #BB2300 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #BB2300; -webkit-box-shadow:4px 4px  
4px 4px #BB2300; box-shadow:4px 4px 4px  
4px #BB2300 }
```

# Background

The CSS property to change the background color of an element to Hex BB2300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#BB2300 }
```

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

```
.background{ background-color:#BB2300 }
```

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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