

# Converting Colors

Hex(B83211)

Have a look what the booklet for  
Hex(B83211) contains.

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**Color**

**Hex(B83211)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B83211
RGB	184, 50, 17
RGB Percent	72%, 20%, 7%
CMY	0.2784, 0.8039, 0.9333
CMYK	0.00, 0.73, 0.91, 0.28
HSL	12°, 83%, 39%
HSV	12°, 91%, 72%
XYZ	21.0089, 12.5120, 1.8381
YIQ	86.3040, 90.4570, 18.1450

# Conversions

## Conversions Part 2

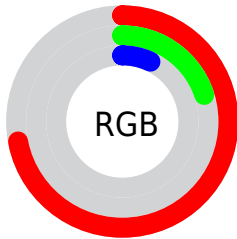
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	184, 58, 17
Decimal	12071441
CIE Lab	42.02, 52.23, 48.73
CIE LCh	42, 71.433, 43.010
Yxy	12.5120, 0.5942, 0.3539
Android (android.graphics.Color)	4290261521 (0xFFB83211)
YUV	86.3040, -34.1669, 85.6794
Hunter-Lab	35.3723, 44.1162, 21.6797

# Details

The Hex color **B83211** is a dark color, and the websafe version is hex **990000**. A complement of this color would be **1197B8**, and the grayscale version is **575757**.

A 20% lighter version of the original color is **F86941**, and **7A0000** is the 20% darker color. If you saturate the color by 10%, you get **B82400**, and if you desaturate by 10%, it is **B84123**.

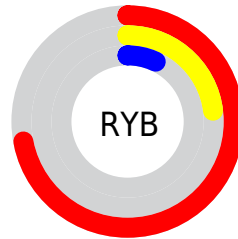
# Distribution



Red (72%)

Green (20%)

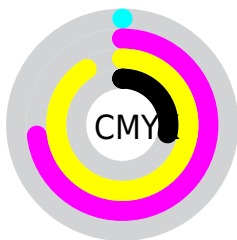
Blue (7%)



Red (72%)

Yellow (23%)

Blue (7%)

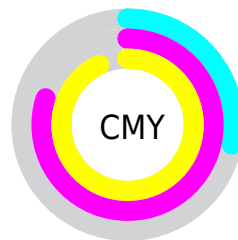


Cyan (0%)

Magenta (73%)

Yellow (91%)

Black (28%)



Cyan (28%)

Magenta (80%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B83211 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 B83211 by changing the saturation by 10% instead.



 B83211

 B83211

FFFFFFD

 990F00

 F86941

 7A0000

 FF855A

 5C0000

 FFA073

 400002

 FFBD8D

 200001

 FFD9A8

 000000

 FFF7C4

 FFFFEO

 B83211

 B83211

 B82400

 B84123

 B85036

 B85E48

 B86D5B

 B87C6D

 B88B7F

 B89992

 B8A8A4

 B8B7B7

# Harmonies

## Analogous

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



C7004D



B83211



945400

# Triad

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



B83211



007A3E



0062D8

# Complementary

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



B83211



1197B8

# 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.



0073D5



B83211



007C7C

# Square

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



B83211



057400



007AB3



8344BA

# Rectangle

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



B83211



746300



007AB3



0069DB



# Sweetspot

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



B83211



F0BCAF



B81199



785951



F7F7F7



787878



# Same Dimension

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



B83211



F02F00



B88311



5C5453



9C1F00



1C0600



# Inverse Universe

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



1197B8



00C0F0



1146B8



535A5C



007D9C



00171C



# Previews

## White Background



This preview shows how the Hex color B83211 looks on a white background.

## Color Contrast Check

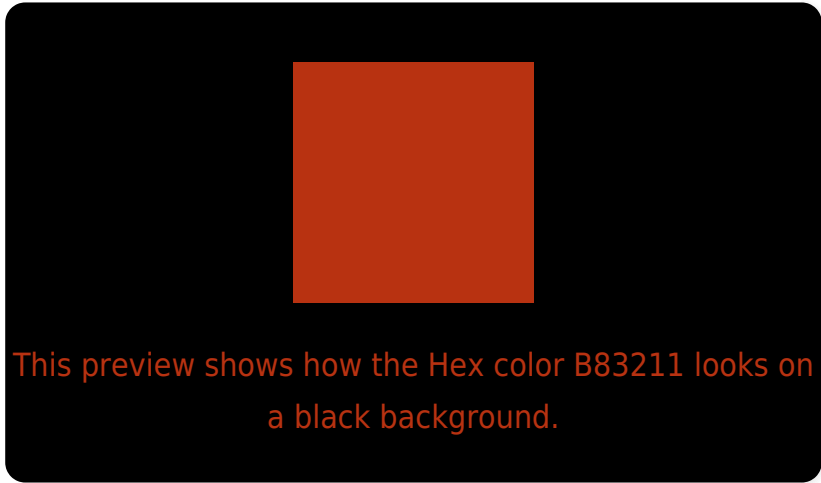
Large Text (above 18pt) WCAG AA ✓ Pass

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 B83211 Background



This preview shows how black text looks on a background with the Hex color B83211.



This preview shows how white text looks on a background with the Hex color B83211.

# 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**  
B83211

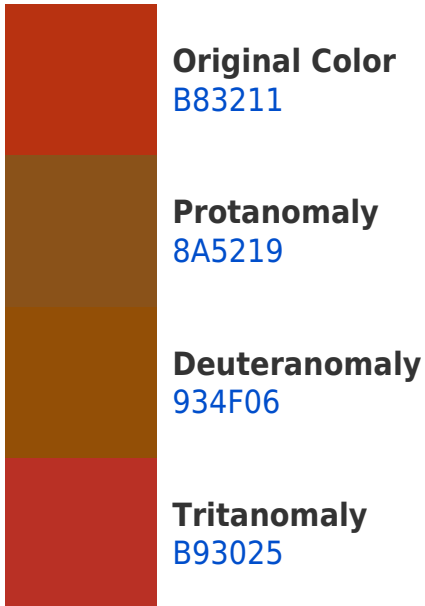
**Protanopia**  
70641D

**Deuteranopia**  
7E5F00

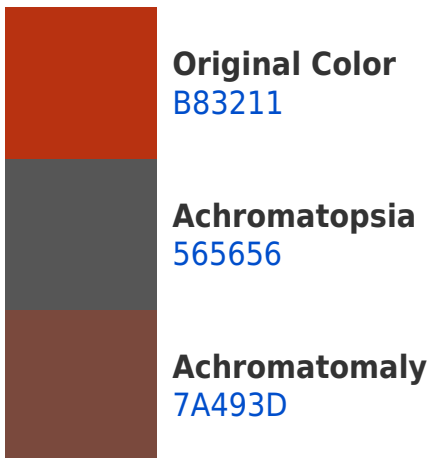


**Tritanopia**  
B92F31

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex B83211 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 #B83211 looks like.

```
.text, #text, p{  
    color:#B83211  
}
```

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 #B83211 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B83211
}
```

## Border

The CSS property to change the border of an element to Hex B83211 is called "border". The border property can be set on classes, ids or directly on the HTML element.

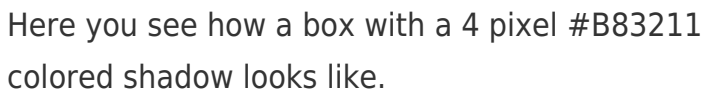
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#B83211 }
```

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

```
.border{ border-color:#B83211 }
```

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



Here you see how a box with a 4 pixel #B83211 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B83211; -webkit-box-shadow:4px 4px  
4px 4px #B83211; box-shadow:4px 4px 4px  
4px #B83211 }
```

# Background

The CSS property to change the background color of an element to Hex B83211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B83211 }
```

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

```
.background{ background-color:#B83211 }
```

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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