

# Converting Colors

Hex(B83B38)

Have a look what the booklet for  
Hex(B83B38) contains.

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# Color

Hex(**B83B38**)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B83B38
RGB	184, 59, 56
RGB Percent	72%, 23%, 22%
CMY	0.2784, 0.7686, 0.7804
CMYK	0.00, 0.68, 0.70, 0.28
HSL	1°, 53%, 47%
HSV	1°, 70%, 72%
XYZ	22.0449, 13.6038, 5.2053
YIQ	96.0330, 75.4630, 25.5670

# Conversions

## Conversions Part 2

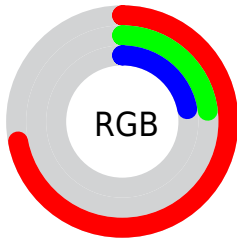
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	184, 59, 56
Decimal	12073784
CIE Lab	43.66, 50.05, 30.27
CIE LCh	44, 58.495, 31.168
Yxy	13.6038, 0.5396, 0.3330
Android (android.graphics.Color)	4290263864 (0xFFB83B38)
YUV	96.0330, -19.7363, 77.1471
Hunter-Lab	36.8833, 42.1425, 17.4508

# Details

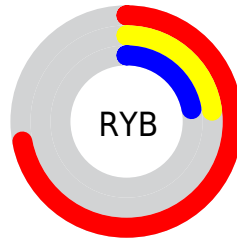
The Hex color **B83B38** is a dark color, and the websafe version is hex **CC3333**. A complement of this color would be **38B5B8**, and the grayscale version is **606060**.

A 20% lighter version of the original color is **F67167**, and **7C000D** is the 20% darker color. If you saturate the color by 10%, you get **B82926**, and if you desaturate by 10%, it is **B84D4A**.

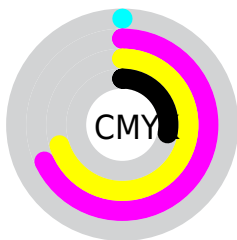
# Distribution



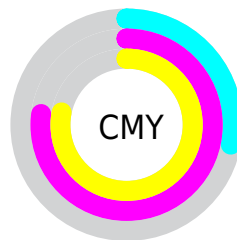
- Red (72%)
- Green (23%)
- Blue (22%)



- Red (72%)
- Yellow (23%)
- Blue (22%)



- Cyan (0%)
- Magenta (68%)
- Yellow (70%)
- Black (28%)



- Cyan (28%)
- Magenta (77%)
- Yellow (78%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B83B38 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 B83B38 by changing the saturation by 10% instead.



 B83B38

 B83B38

FFFFFF

 9A1D22

 F67167

 7C000D

 FF8C80

 5E0000

 FFA89A

 420001

 FFC4B5

 240001

 FFE1D1

 000000

 FFFFED

 B83B38

 B83B38

 B82926

 B84D4A

 B81713

 B85F5D

 B80501

 B8716F

 B80400

 B88382

 B89594

 B8A7A6

 B8B9B9

 B8CBCB

 B8DDDE

# Harmonies

## Analogous

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



BB3067



B83B38



A15206

# Triad

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



B83B38



007A35



006DC9

# Complementary

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



B83B38



38B5B8

# 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.



0078BC



B83B38



007D68

# Square

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



B83B38



4A7300



007C98



6659BB

# Rectangle

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



B83B38



896000



007C98



0071C8



# Sweetspot

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



B83B38



F0BFBD



B838B6



785B5A



F7F7F7



787878



# Same Dimension

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



B83B38



F02D29



B87A38



5C5353



9C0400



1C0100



# Inverse Universe

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



38B5B8



29EBF0



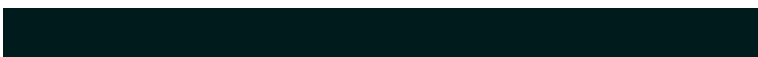
3876B8



535C5C



00989C



001B1C



# Previews

## White Background



This preview shows how the Hex color B83B38 looks on a white background.

## Color Contrast Check

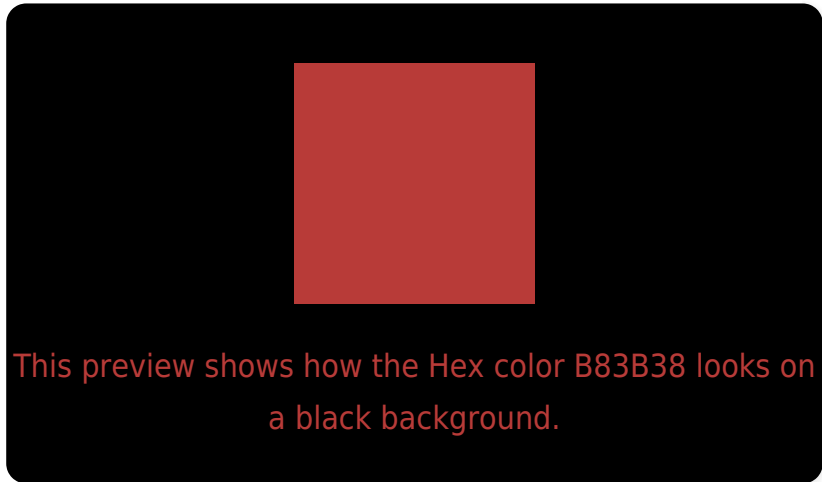
Large Text (above 18pt) WCAG AA ✓ Pass

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 B83B38 Background



This preview shows how black text looks on a background with the Hex color B83B38.



This preview shows how white text looks on a background with the Hex color B83B38.

# 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



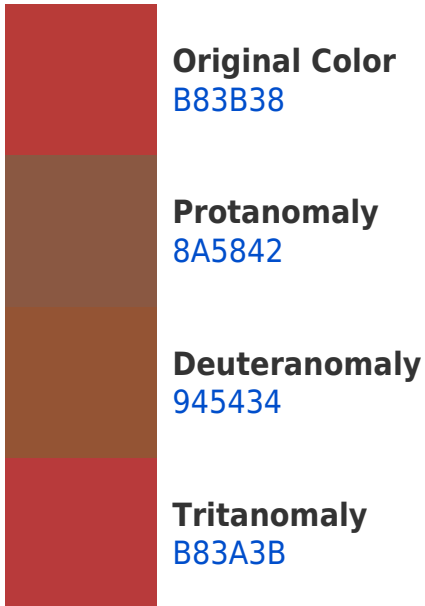
**Original Color**  
B83B38

**Protanopia**  
706848

**Deuteranopia**  
806331



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex B83B38 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 #B83B38 looks like.

```
.text, #text, p{  
    color:#B83B38  
}
```

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 #B83B38 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B83B38
}
```

## Border

The CSS property to change the border of an element to Hex B83B38 is called "border". The border property can be set on classes, ids or directly on the HTML element.

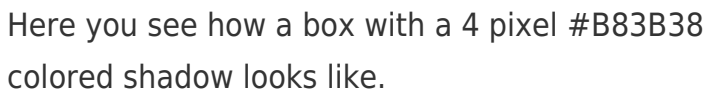
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#B83B38 }
```

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

```
.border{ border-color:#B83B38 }
```

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



Here you see how a box with a 4 pixel #B83B38 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B83B38; -webkit-box-shadow:4px 4px  
4px 4px #B83B38; box-shadow:4px 4px 4px  
4px #B83B38 }
```

# Background

The CSS property to change the background color of an element to Hex B83B38 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B83B38 }
```

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

```
.background{ background-color:#B83B38 }
```

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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