

# Converting Colors

Hex(B83003)

Have a look what the booklet for  
Hex(B83003) contains.

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**Color**

**Hex(B83003)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B83003
RGB	184, 48, 3
RGB Percent	72%, 19%, 1%
CMY	0.2784, 0.8118, 0.9882
CMYK	0.00, 0.74, 0.98, 0.28
HSL	15°, 97%, 37%
HSV	15°, 98%, 72%
XYZ	20.8406, 12.3108, 1.3640
YIQ	83.5340, 95.5010, 14.8370

# Conversions

## Conversions Part 2

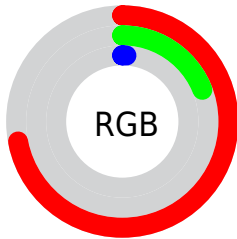
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	184, 63, 3
Decimal	12070915
CIE <sub>Lab</sub>	41.71, 52.77, 53.04
CIE <sub>LCh</sub>	42, 74.823, 45.147
Yxy	12.3108, 0.6038, 0.3567
Android (android.graphics.Color)	4290260995 (0xFFB83003)
YUV	83.5340, -39.7033, 88.1087
Hunter-Lab	35.0868, 44.6220, 22.2559

# Details

The Hex color **B83003** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **038BB8**, and the grayscale version is **545454**.

A 20% lighter version of the original color is **F86838**, and **7A0000** is the 20% darker color. If you saturate the color by 10%, you get **B82E00**, and if you desaturate by 10%, it is **B83E15**.

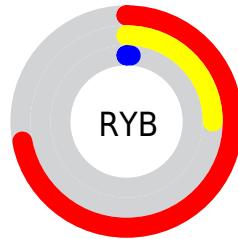
# Distribution



Red (72%)

Green (19%)

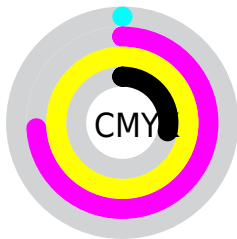
Blue (1%)



Red (72%)

Yellow (25%)

Blue (1%)

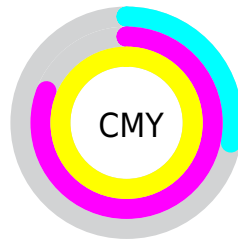


Cyan (0%)

Magenta (74%)

Yellow (98%)

Black (28%)



Cyan (28%)

Magenta (81%)

Yellow (99%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B83003 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 B83003 by changing the saturation by 10% instead.



 B83003

 B83003

 FFFFF3

 990B00

 F86838

 7A0000

 FF8351

 5B0000

 FF9F6A

 3F0002

 FFBB84

 1F0001

 FFD89F

 000000

 FFF5BA

 FFFFDD

 B83003

 B83003

 B82E00

 B83E15

 B84C28

 B8593A

 B8674D

 B8755F

 B88371

 B89184

 B89F96

 B8ACA9

# Harmonies

## Analogous

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



CA0047



B83003



915400

# Triad

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



B83003



007A40



0060DB

# Complementary

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



B83003



038BB8

# 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.



0073DB



B83003



007C81

# Square

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



B83003



007500



007ABA



893EBB

# Rectangle

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



B83003



6F6400



007ABA



0068DF



# Sweetspot

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



B83003



F0BAA8



B8038E



78574D



F7F7F7



787878



# Same Dimension

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



B83003



F03C00



B88803



5C5553



9C2700



1C0700



# Inverse Universe

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



038BB8



00B4F0



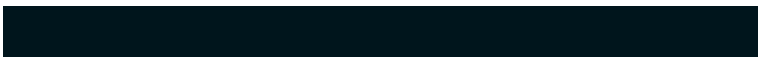
0333B8



535A5C



00759C



00151C



# Previews

## White Background



This preview shows how the Hex color B83003 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 B83003 Background



This preview shows how black text looks on a background with the Hex color B83003.



This preview shows how white text looks on a background with the Hex color B83003.

# 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



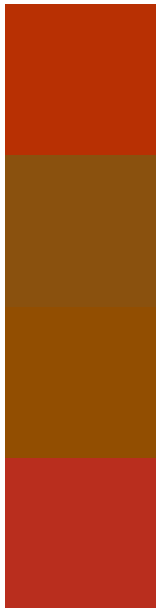
**Original Color**  
B83003

**Protanopia**  
706415

**Deuteranopia**  
7D5F00



# Trichromacy



**Original Color**  
B83003

**Protanomaly**  
8A510E

**Deuteranomaly**  
924E01

**Tritanomaly**  
B92E1E

# Monochromacy



**Original Color**  
B83003

**Achromatopsia**  
545454

**Achromatomaly**  
784737

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B83003 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 #B83003 looks like.

```
.text, #text, p{  
  color:#B83003  
}
```

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 #B83003 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B83003
}
```

## Border

The CSS property to change the border of an element to Hex B83003 is called "border". The border property can be set on classes, ids or directly on the HTML element.

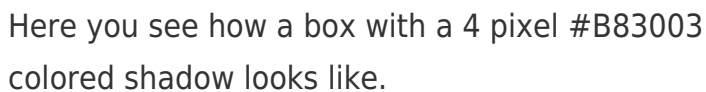
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#B83003 }
```

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

```
.border{ border-color:#B83003 }
```

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



Here you see how a box with a 4 pixel #B83003 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B83003; -webkit-box-shadow:4px 4px  
4px 4px #B83003; box-shadow:4px 4px 4px  
4px #B83003 }
```

# Background

The CSS property to change the background color of an element to Hex B83003 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B83003 }
```

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

```
.background{ background-color:#B83003 }
```

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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