

# Converting Colors

Hex(B71700)

Have a look what the booklet for  
Hex(B71700) contains.

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**Color**

**Hex(B71700)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	<a href="#">B71700</a>
RGB	<a href="#">183, 23, 0</a>
RGB Percent	<a href="#">72%, 9%, 0%</a>
CMY	<a href="#">0.2824, 0.9098, 1.0000</a>
CMYK	<a href="#">0.00, 0.87, 1.00, 0.28</a>
HSL	<a href="#">8°, 100%, 36%</a>
HSV	<a href="#">8°, 100%, 72%</a>
XYZ	<a href="#">19.8348, 10.6801, 1.0160</a>
YIQ	<a href="#">68.2180, 102.7430, 26.7670</a>

# Conversions

## Conversions Part 2

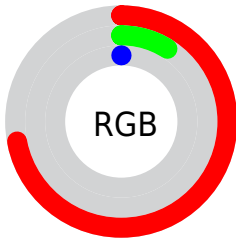
Format	Color
<a href="#">RYB</a>	183, 26, 0
Decimal	11998976
CIELab	39.04, 59.35, 52.78
CIElCh	39, 79.425, 41.649
Yxy	10.6801, 0.6291, 0.3387
Android (android.graphics.Color)	4290189056 (0xFFB71700)
YUV	68.2180, -33.6315, 100.6638
Hunter-Lab	32.6804, 51.1471, 21.0329

# Details

The Hex color **B71700** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **00A0B7**, and the grayscale version is **444444**.

A 20% lighter version of the original color is **F85833**, and **780000** is the 20% darker color. If you saturate the color by 10%, you get **B71700**, and if you desaturate by 10%, it is **B72712**.

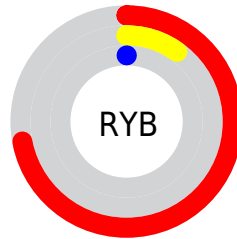
# Distribution



Red (72%)

Green (9%)

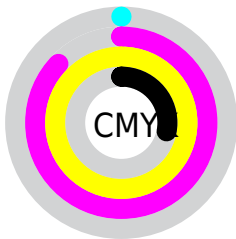
Blue (0%)



Red (72%)

Yellow (10%)

Blue (0%)

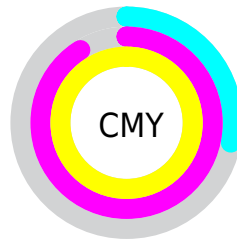


Cyan (0%)

Magenta (87%)

Yellow (100%)

Black (28%)



Cyan (28%)

Magenta (91%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B71700 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 B71700 by changing the saturation by 10% instead.



 B71700

 B71700

 FFFFEC

 970000

 F85833

 780000

 FF744B

 590000

 FF9064

 3D0003

 FFAC7E

 190001

 FFC999

 000000

 FFE7B4

 FFFF00

 B71700

 B72712

 B73725

 B74737

 B75749

 B7675C

 B7776E

 B78780

 B79792

 B7A7A5

# Harmonies

## Analogous

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



C70046



B71700



904900

# Triad

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



B71700



007330



005DDD

# Complementary

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



B71700



00A0B7

# 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.



006FD9



B71700



007575

# Square

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



B71700



006D00



0075B2



7839BE

# Rectangle

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



B71700



6E5B00



0075B2



0065E0



# Sweetspot

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



B71700



EDAFA6



B700A2



78524D



F7F7F7



787878



# Same Dimension

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



B71700



ED1E00



B77100



5C5453



9C1400



1C0400



# Inverse Universe

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



00A0B7



00CFED



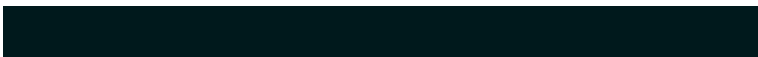
0046B7



535B5C



00889C



00191C



# Previews

## White Background



This preview shows how the Hex color B71700 looks on a white background.

## Color Contrast Check

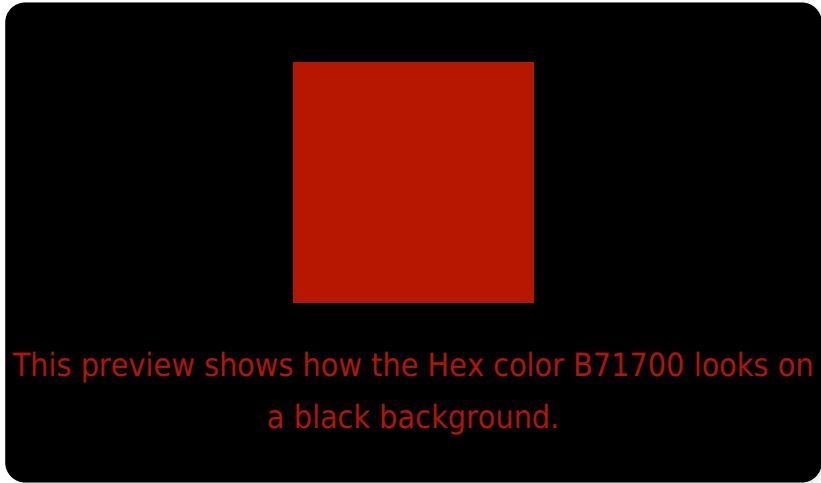
Large Text (above 18pt) WCAG AA ✓ Pass

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 B71700 Background



This preview shows how black text looks on a background with the Hex color B71700.



This preview shows how white text looks on a background with the Hex color B71700.

# 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**  
B71700

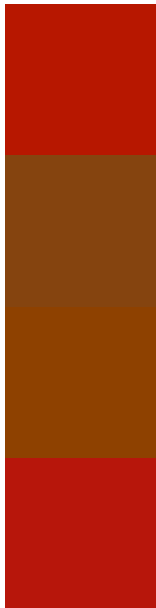
**Protanopia**  
695E17

**Deuteranopia**  
765900



**Tritanopia**  
B71612

# Trichromacy



**Original Color**  
B71700

**Protanomaly**  
85440F

**Deuteranomaly**  
8E4100

**Tritanomaly**  
B7160B

# Monochromacy



**Original Color**  
B71700

**Achromatopsia**  
444444

**Achromatomaly**  
6E342B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B71700 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 #B71700 looks like.

```
.text, #text, p{  
    color:#B71700  
}
```

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 #B71700 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B71700
}
```

## Border

The CSS property to change the border of an element to Hex B71700 is called "border". The border property can be set on classes, ids or directly on the HTML element.

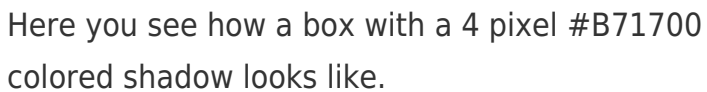
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#B71700 }
```

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

```
.border{ border-color:#B71700 }
```

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



Here you see how a box with a 4 pixel #B71700 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B71700; -webkit-box-shadow:4px 4px  
4px 4px #B71700; box-shadow:4px 4px 4px  
4px #B71700 }
```

# Background

The CSS property to change the background color of an element to Hex B71700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B71700 }
```

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

```
.background{ background-color:#B71700 }
```

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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