

# Converting Colors

Hex(B1700C)

Have a look what the booklet for  
Hex(B1700C) contains.

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**Color**

**Hex(B1700C)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B1700C
RGB	177, 112, 12
RGB Percent	69%, 44%, 5%
CMY	0.3059, 0.5608, 0.9529
CMYK	0.00, 0.37, 0.93, 0.31
HSL	36°, 87%, 37%
HSV	36°, 93%, 69%
XYZ	23.9920, 20.9620, 3.1294
YIQ	120.0350, 70.8400, -17.3200

# Conversions

## Conversions Part 2

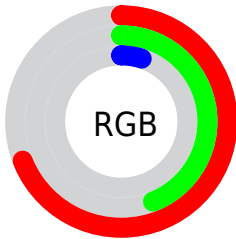
<b>Format</b>	<b>Color</b>
<b>RYB</b>	119, 177, 12
Decimal	11628556
CIELab	52.91, 18.98, 57.54
CIELCh	53, 60.593, 71.748
Yxy	20.9620, 0.4990, 0.4360
Android (android.graphics.Color)	4289818636 (0xFFB1700C)
YUV	120.0350, -53.2613, 49.9583
Hunter-Lab	45.7843, 13.4156, 27.9965

# Details

The Hex color **B1700C** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **0C4DB1**, and the grayscale version is **797979**.

A 20% lighter version of the original color is **EEA446**, and **774000** is the 20% darker color. If you saturate the color by 10%, you get **B16B00**, and if you desaturate by 10%, it is **B1771E**.

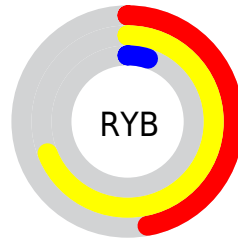
# Distribution



Red (69%)

Green (44%)

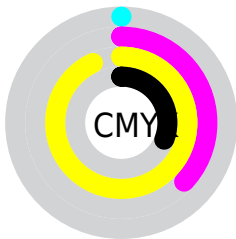
Blue (5%)



Red (47%)

Yellow (69%)

Blue (5%)

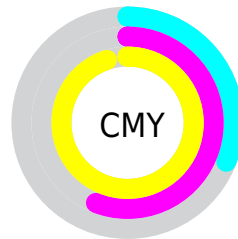


Cyan (0%)

Magenta (37%)

Yellow (93%)

Black (31%)



Cyan (31%)

Magenta (56%)

Yellow (95%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B1700C 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 B1700C by changing the saturation by 10% instead.



 B1700C

 B1700C

FFFFFF

 935700

 EEA446

 774000

 FFBF61

 5A2A00

 FFDB7B

 3F1400

 FFF796

 270000

 FFFFB2

 000000

 FFFFCE

 FFFFEB

 B1700C

 B1700C

■ B16B00

■ B1771E

■ B17E2F

■ B18541

■ B18C53

■ B19365

■ B19A76

■ B1A188

■ B1A89A

■ B1AFAB

# Harmonies

## Analogous

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



D0593B



B1700C



848200

# Triad

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



B1700C



009692



9A67CD

# Complementary

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



B1700C



0C4DB1

# 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.



2B7EE5



B1700C



0095C3

# Square

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



B1700C



00945C



008DE1



CB50A0

# Rectangle

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



B1700C



608B18



008DE1



816FD8



# Sweetspot

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



B1700C



E6CCA5



B10C4E



73634C



F2F2F2



737373



# Same Dimension

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



B1700C



E68B00



A1B10C



595650



995D00



1A0F00



# Inverse Universe

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



0C4DB1



005AE6



1C0CB1



505459



003C99

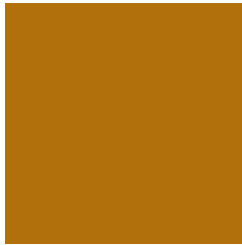


000A1A



# Previews

## White Background



This preview shows how the Hex color B1700C looks on a white background.

## Color Contrast Check

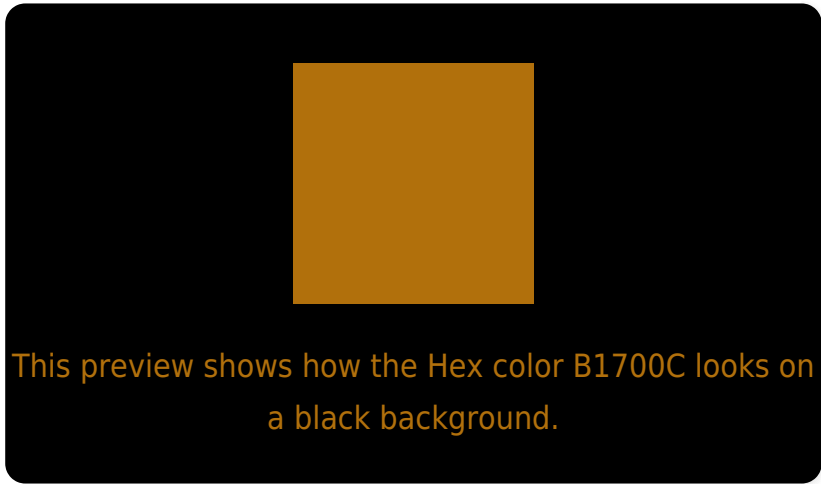
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex B1700C Background



This preview shows how black text looks on a background with the Hex color B1700C.



This preview shows how white text looks on a background with the Hex color B1700C.

# 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**  
B1700C

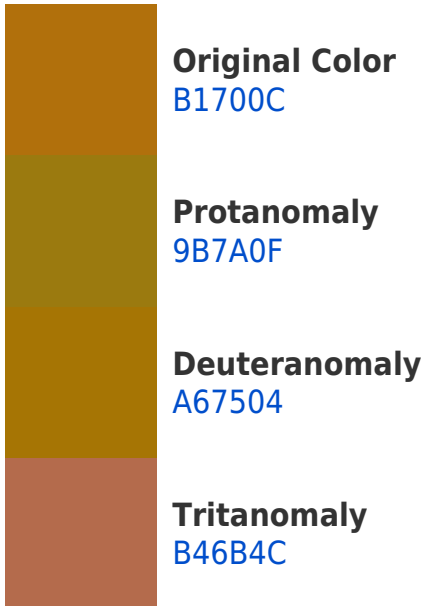
**Protanopia**  
8F7F11

**Deuteranopia**  
A07800

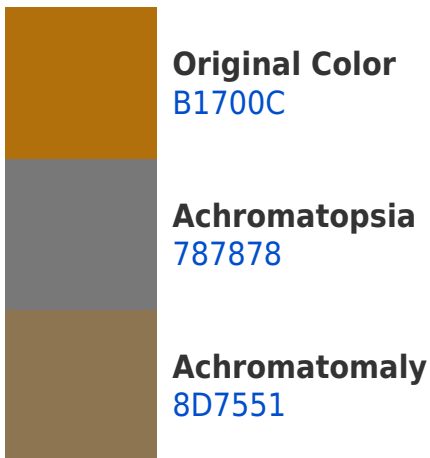


**Tritanopia**  
B56870

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex B1700C 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 #B1700C looks like.

```
.text, #text, p{  
    color:#B1700C  
}
```

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 #B1700C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B1700C
}
```

## Border

The CSS property to change the border of an element to Hex B1700C 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
#B1700C }
```

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

```
.border{ border-color:#B1700C }
```

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

Here you see how a box with a 4 pixel #B1700C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B1700C; -webkit-box-shadow:4px 4px  
4px 4px #B1700C; box-shadow:4px 4px 4px  
4px #B1700C }
```

# Background

The CSS property to change the background color of an element to Hex B1700C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B1700C }
```

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

```
.background{ background-color:#B1700C }
```

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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