

# Converting Colors

Hex(B51500)

Have a look what the booklet for  
Hex(B51500) contains.

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**Color**

**Hex(B51500)**

# Conversions

## Conversions Part 1

Format	Color
Hex	<a href="#">B51500</a>
RGB	<a href="#">181, 21, 0</a>
RGB Percent	<a href="#">71%, 8%, 0%</a>
CMY	<a href="#">0.2902, 0.9176, 1.0000</a>
CMYK	<a href="#">0.00, 0.88, 1.00, 0.29</a>
HSL	<a href="#">7°, 100%, 35%</a>
HSV	<a href="#">7°, 100%, 71%</a>
XYZ	<a href="#">19.3242, 10.3601, 0.9812</a>
YIQ	<a href="#">66.4460, 102.1010, 27.3890</a>

# Conversions

## Conversions Part 2

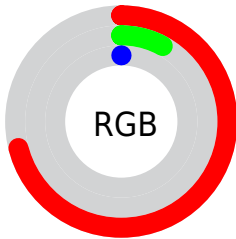
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	181, 24, 0
Decimal	11867392
CIE Lab	38.48, 59.17, 52.31
CIE LCh	38, 78.983, 41.478
Yxy	10.3601, 0.6302, 0.3378
Android (android.graphics.Color)	4290057472 (0xFFB51500)
YUV	66.4460, -32.7579, 100.4639
Hunter-Lab	32.1871, 50.8390, 20.7236

# Details

The Hex color **B51500** is a dark color, and the websafe version is hex **CC3300**. A complement of this color would be **00A0B5**, and the grayscale version is **434343**.

A 20% lighter version of the original color is **F65633**, and **760000** is the 20% darker color. If you saturate the color by 10%, you get **B51500**, and if you desaturate by 10%, it is **B52512**.

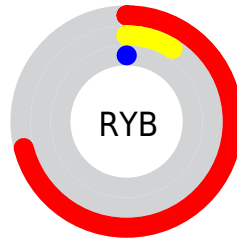
# Distribution



Red (71%)

Green (8%)

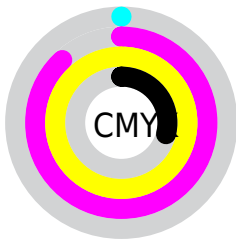
Blue (0%)



Red (71%)

Yellow (9%)

Blue (0%)

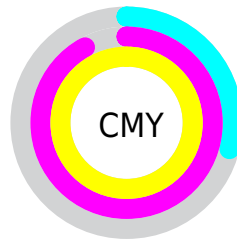


Cyan (0%)

Magenta (88%)

Yellow (100%)

Black (29%)



Cyan (29%)

Magenta (92%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B51500 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 B51500 by changing the saturation by 10% instead.



 B51500

 B51500

 FFFFEC

 950000

 F65633

 760000

 FF734B

 570000

 FF8F64

 3B0003

 FFAB7E

 150000

 FFC898

 000000

 FFE5B3

 FFFFCE

 B51500

 B52512

 B53524

 B54536

 B55548

 B5655B

 B5756D

 B5857F

 B59591

 B5A5A3

# Harmonies

## Analogous

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



C50046



B51500



8F4800

# Triad

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



B51500



00712E



005CDB

# Complementary

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



B51500



00A0B5

# 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.



006DD6



B51500



007373

# Square

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



B51500



006C00



0073AF



7638BC

# Rectangle

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



B51500



6D5A00



0073AF



0063DE



# Sweetspot

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



B51500



EBACA4



B500A3



75504B



F5F5F5



757575



# Same Dimension

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



B51500



EB1B00



B56D00



595150



991200



1A0300



# Inverse Universe

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



00A0B5



00CFEB



0048B5



505859



008799



00171A



# Previews

## White Background



This preview shows how the Hex color B51500 looks on a white background.

## Color Contrast Check

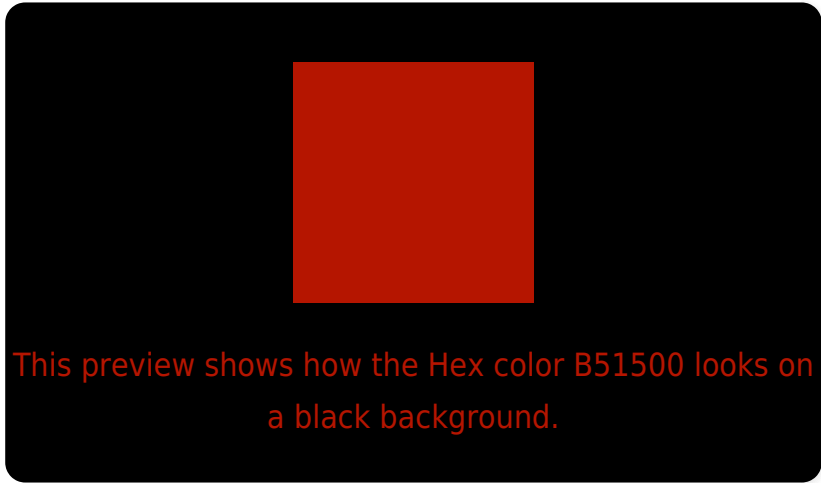
Large Text (above 18pt) WCAG AA ✓ Pass

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

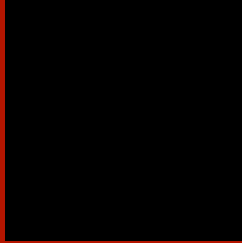
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex B51500 Background



This preview shows how black text looks on a background with the Hex color B51500.



This preview shows how white text looks on a background with the Hex color B51500.

# 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**  
B51500

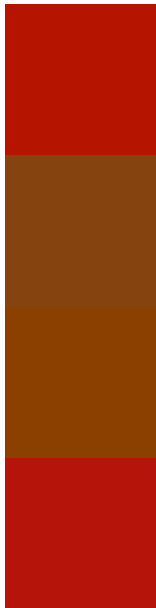
**Protanopia**  
685D17

**Deuteranopia**  
745800



**Tritanopia**  
B5140F

# Trichromacy



**Original Color**  
B51500

**Protanomaly**  
84430F

**Deuteranomaly**  
8C4000

**Tritanomaly**  
B5140A

# Monochromacy



**Original Color**  
B51500

**Achromatopsia**  
424242

**Achromatomaly**  
6C322A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex B51500 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 #B51500 looks like.

```
.text, #text, p{  
    color:#B51500  
}
```

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 #B51500 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B51500
}
```

## Border

The CSS property to change the border of an element to Hex B51500 is called "border". The border property can be set on classes, ids or directly on the HTML element.

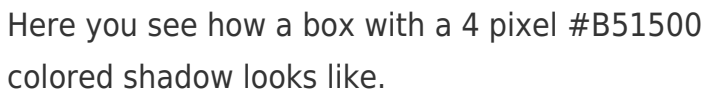
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#B51500 }
```

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

```
.border{ border-color:#B51500 }
```

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



Here you see how a box with a 4 pixel #B51500 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B51500; -webkit-box-shadow:4px 4px  
4px 4px #B51500; box-shadow:4px 4px 4px  
4px #B51500 }
```

# Background

The CSS property to change the background color of an element to Hex B51500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B51500 }
```

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

```
.background{ background-color:#B51500 }
```

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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