

# Converting Colors

Hex(B4501E)

Have a look what the booklet for  
Hex(B4501E) contains.

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**Color**

**Hex(B4501E)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	B4501E
RGB	180, 80, 30
RGB Percent	71%, 31%, 12%
CMY	0.2941, 0.6863, 0.8824
CMYK	0.00, 0.56, 0.83, 0.29
HSL	20°, 71%, 41%
HSV	20°, 83%, 71%
XYZ	21.9254, 15.5344, 3.0711
YIQ	104.2000, 75.6500, 5.6500

# Conversions

## Conversions Part 2

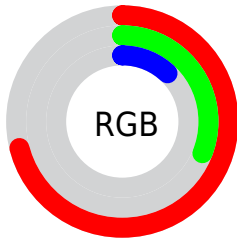
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	180, 105, 30
Decimal	11816990
CIE Lab	46.36, 37.87, 46.63
CIE LCh	46, 60.070, 50.924
Yxy	15.5344, 0.5410, 0.3833
Android (android.graphics.Color)	4290007070 (0xFFB4501E)
YUV	104.2000, -36.5806, 66.4766
Hunter-Lab	39.4136, 30.3238, 22.9696

# Details

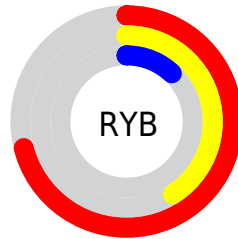
The Hex color **B4501E** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **1E82B4**, and the grayscale version is **686868**.

A 20% lighter version of the original color is **F2844F**, and **781D00** is the 20% darker color. If you saturate the color by 10%, you get **B4440C**, and if you desaturate by 10%, it is **B45C30**.

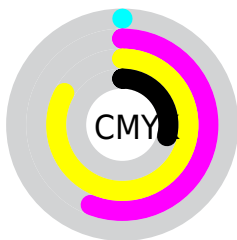
# Distribution



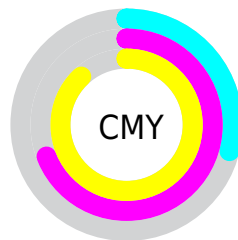
- Red (71%)
- Green (31%)
- Blue (12%)



- Red (71%)
- Yellow (41%)
- Blue (12%)



- Cyan (0%)
- Magenta (56%)
- Yellow (83%)
- Black (29%)



- Cyan (29%)
- Magenta (69%)
- Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B4501E 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 B4501E by changing the saturation by 10% instead.



 B4501E

 B4501E

FFFFFF

 963703

 F2844F

 781D00

 FF9F68

 5B0000

 FFBA81

 3E0000

 FFD69C

 240001

 FFF3B7

 000000

 FFFFD3

 FFFFF0

 B4501E

 B4501E

 B4440C

 B45C30

 B43C00

 B46842

 B47454

 B48066

 B48C78

 B4988A

 B4A49C

 B4B0AE

 B4BCC0

# Harmonies

## Analogous

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



C63A4D



B4501E



916600

# Triad

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



B4501E



00845C



4967CD

# Complementary

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



B4501E



1E82B4

# 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.



0078D2



B4501E



008590

# Square

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



B4501E



177F28



0081BC



9B4FAE

# Rectangle

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



B4501E



747100



0081BC



006ED2



# Sweetspot

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



B4501E



EBC3B0



B41E82



755E52



F5F5F5



757575



# Same Dimension

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



B4501E



EB4E00



B49B1E



595350



993300



1A0800



# Inverse Universe

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



1E82B4



009CEB



1E37B4



505659



006699



00111A



# Previews

## White Background



This preview shows how the Hex color B4501E looks on a white background.

## Color Contrast Check

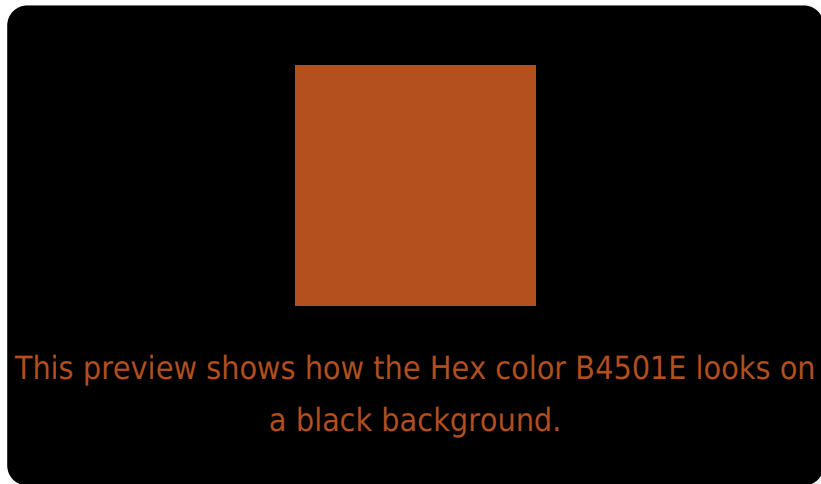
Large Text (above 18pt) WCAG AA ✓ Pass

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 B4501E Background



This preview shows how black text looks on a background with the Hex color B4501E.



This preview shows how white text looks on a background with the Hex color B4501E.

# 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**  
B4501E

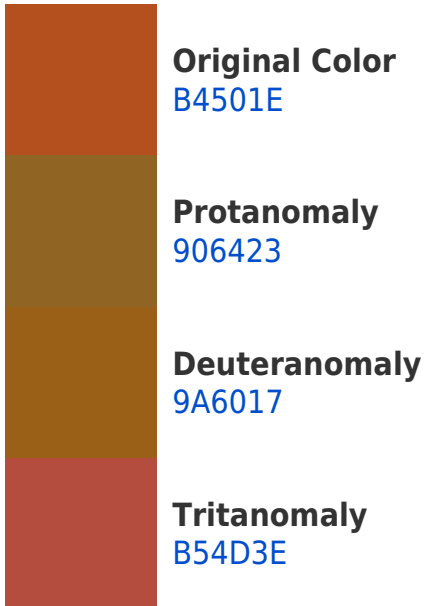
**Protanopia**  
7C6F26

**Deuteranopia**  
8B6913

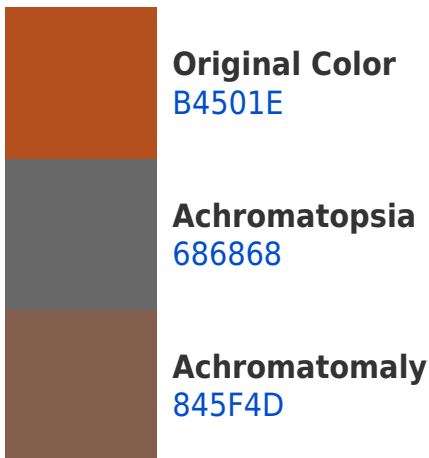


**Tritanopia**  
B64B50

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex B4501E 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 #B4501E looks like.

```
.text, #text, p{  
  color:#B4501E  
}
```

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 #B4501E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B4501E
}
```

## Border

The CSS property to change the border of an element to Hex B4501E is called "border". The border property can be set on classes, ids or directly on the HTML element.

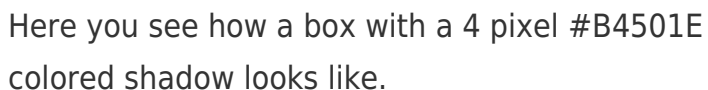
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#B4501E }
```

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

```
.border{ border-color:#B4501E }
```

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

A rectangular box with a 4px orange shadow. The box is white with a thin orange border. The shadow is a solid orange color, 4 pixels wide and 4 pixels high, extending from the bottom and right sides of the box.

Here you see how a box with a 4 pixel #B4501E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B4501E; -webkit-box-shadow:4px 4px  
4px 4px #B4501E; box-shadow:4px 4px 4px  
4px #B4501E }
```

# Background

The CSS property to change the background color of an element to Hex B4501E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B4501E }
```

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

```
.background{ background-color:#B4501E }
```

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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