

# Converting Colors

Hex(B45A1E)

Have a look what the booklet for  
Hex(B45A1E) contains.

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**Color**

**Hex(B45A1E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B45A1E
RGB	180, 90, 30
RGB Percent	71%, 35%, 12%
CMY	0.2941, 0.6471, 0.8824
CMYK	0.00, 0.50, 0.83, 0.29
HSL	24°, 71%, 41%
HSV	24°, 83%, 71%
XYZ	22.7129, 17.1094, 3.3336
YIQ	110.0700, 72.9000, 0.4200

# Conversions

## Conversions Part 2

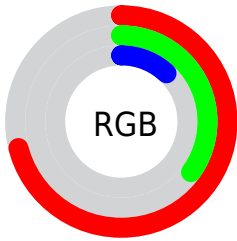
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	180, 130, 30
Decimal	11819550
CIE Lab	48.40, 32.70, 48.46
CIE LCh	48, 58.463, 55.990
Yxy	17.1094, 0.5263, 0.3965
Android (android.graphics.Color)	4290009630 (0xFFB45A1E)
YUV	110.0700, -39.4745, 61.3286
Hunter-Lab	41.3635, 25.6292, 24.1760

# Details

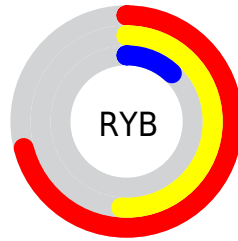
The Hex color **B45A1E** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **1E78B4**, and the grayscale version is **6E6E6E**.

A 20% lighter version of the original color is **F18E50**, and **792900** is the 20% darker color. If you saturate the color by 10%, you get **B44F0C**, and if you desaturate by 10%, it is **B46530**.

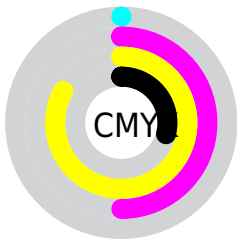
# Distribution



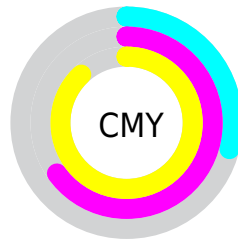
- Red (71%)
- Green (35%)
- Blue (12%)



- Red (71%)
- Yellow (51%)
- Blue (12%)



- Cyan (0%)
- Magenta (50%)
- Yellow (83%)
- Black (29%)



- Cyan (29%)
- Magenta (65%)
- Yellow (88%)

# Brightness & Saturation Gradients

These gradients show how the Hex color B45A1E 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 B45A1E by changing the saturation by 10% instead.



 B45A1E

 B45A1E

FFFFFF

 964101

 F18E50

 792900

 FFA869

 5C1000

 FFC483

 3F0000

 FFE09E

 270001

 FFFDB9

 000000

 FFFFD5

 FFFFF2

 B45A1E

 B45A1E

 B44F0C

 B46530

 B44800

 B47042

 B47A54

 B48566

 B49078

 B49B8A

 B4A69C

 B4B0AE

 B4BBC0

# Harmonies

## Analogous

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



C9454B



B45A1E



906E00

# Triad

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



B45A1E



00896A



6469CC

# Complementary

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



B45A1E



1E78B4

# 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.



007BD6



B45A1E



00899D

# Square

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



B45A1E



028538



0085C4



A851AB

# Rectangle

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



B45A1E



717900



0085C4



3B70D3



# Sweetspot

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



B45A1E



EBC7B0



B41E78



756052



F5F5F5



757575



# Same Dimension

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



B45A1E



EB5E00



B4A51E



595450



993D00



1A0A00



# Inverse Universe

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



1E78B4



008DEB



1E2DB4



505659



005C99



000F1A



# Previews

## White Background



This preview shows how the Hex color B45A1E looks on a white background.

## Color Contrast Check

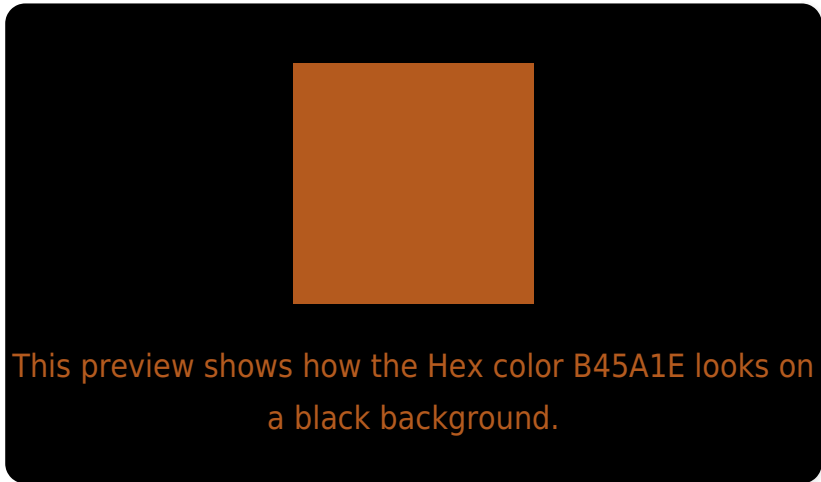
Large Text (above 18pt) WCAG AA ✓ Pass

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 B45A1E Background



This preview shows how black text looks on a background with the Hex color B45A1E.



This preview shows how white text looks on a background with the Hex color B45A1E.

# 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**  
B45A1E

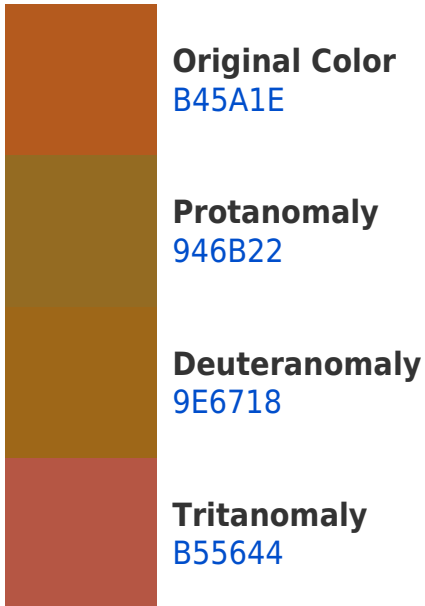
**Protanopia**  
817425

**Deuteranopia**  
926E15

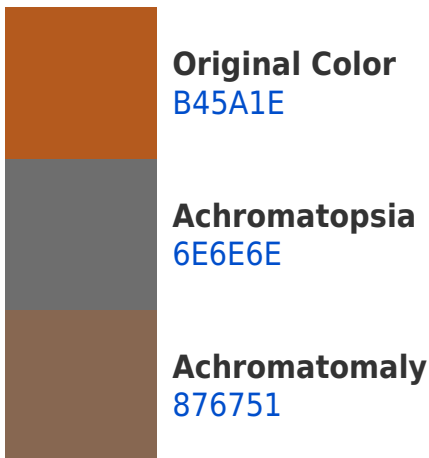


**Tritanopia**  
B6545A

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex B45A1E 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 #B45A1E looks like.

```
.text, #text, p{  
    color:#B45A1E  
}
```

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 #B45A1E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #B45A1E
}
```

## Border

The CSS property to change the border of an element to Hex B45A1E is called "border". The border property can be set on classes, ids or directly on the HTML element.

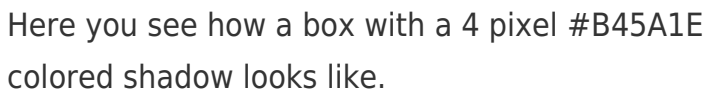
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#B45A1E }
```

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

```
.border{ border-color:#B45A1E }
```

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 #B45A1E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #B45A1E; -webkit-box-shadow:4px 4px  
4px 4px #B45A1E; box-shadow:4px 4px 4px  
4px #B45A1E }
```

# Background

The CSS property to change the background color of an element to Hex B45A1E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#B45A1E }
```

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

```
.background{ background-color:#B45A1E }
```

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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