

# Converting Colors

Hex(CB5B02)

Have a look what the booklet for  
Hex(CB5B02) contains.

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**Color**

**Hex(CB5B02)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CB5B02
RGB	203, 91, 2
RGB Percent	80%, 36%, 1%
CMY	0.2039, 0.6431, 0.9922
CMYK	0.00, 0.55, 0.99, 0.20
HSL	27°, 98%, 40%
HSV	27°, 99%, 80%
XYZ	28.3806, 20.1831, 2.4573
YIQ	114.3420, 95.3210, -3.9350

# Conversions

## Conversions Part 2

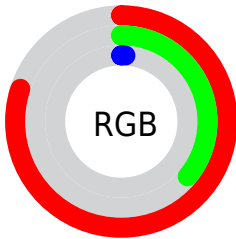
Format	Color
<a href="#">RYB</a>	<a href="#">203, 162, 2</a>
Decimal	<a href="#">13327106</a>
CIELab	<a href="#">52.04, 40.90, 60.80</a>
CIELCh	<a href="#">52, 73.275, 56.069</a>
Yxy	<a href="#">20.1831, 0.5563, 0.3956</a>
Android (android.graphics.Color)	<a href="#">4291517186</a> ( <a href="#">0xFFCB5B02</a> )
YUV	<a href="#">114.3420, -55.3846, 77.7531</a>
Hunter-Lab	<a href="#">44.9256, 34.1433, 28.2049</a>

# Details

The Hex color **CB5B02** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed red. A complement of this color would be **0272CB**, and the grayscale version is **737373**.

A 20% lighter version of the original color is **FF9040**, and **8D2800** is the 20% darker color. If you saturate the color by 10%, you get **CB5A00**, and if you desaturate by 10%, it is **CB6616**.

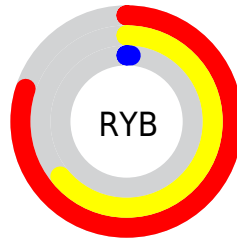
# Distribution



Red (80%)

Green (36%)

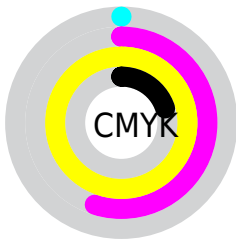
Blue (1%)



Red (80%)

Yellow (64%)

Blue (1%)

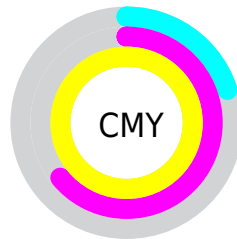


Cyan (0%)

Magenta (55%)

Yellow (99%)

Black (20%)



Cyan (20%)

Magenta (64%)

Yellow (99%)

# Brightness & Saturation Gradients

These gradients show how the Hex color CB5B02 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 CB5B02 by changing the saturation by 10% instead.



 CB5B02

 CB5B02

FFFFFF

 AC4100

 FF9040

 8D2800

 FFAB5A

 6F0900

 FFC774

 510000

 FFE38F

 370001

 FFFFAA

 100000

 FFFFC6

 000000

 FFFFEE3

 CB5B02

 CB5B02

■ CB5A00

■ CB6616

■ CB722B

■ CB7D3F

■ CB8853

■ CB9468

■ CB9F7C

■ CBAA90

■ CBB5A4

■ CBC1B9

# Harmonies

## Analogous

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



E63949



CB5B02



9D7700

# Triad

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



CB5B02



009772



626FEE

# Complementary

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



CB5B02



0272CB

# 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.



0087FB



CB5B02



0097B2

# Square

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



CB5B02



00922F



0093E4



BE4DC3

# Rectangle

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



CB5B02



778400



0093E4



0278F6



# Sweetspot

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



CB5B02



FFD4B3



CB0274



806652



000000



808080



# Same Dimension

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



CB5B02



FF7100



CBBE02



66605C



A64900



261100



# Inverse Universe

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



0272CB



008EFF



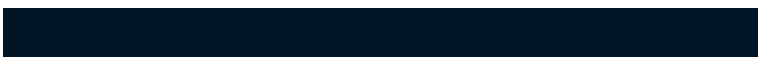
020FCB



5C6166



005CA6



001526



# Previews

## White Background



This preview shows how the Hex color CB5B02 looks on a white background.

## Color Contrast Check

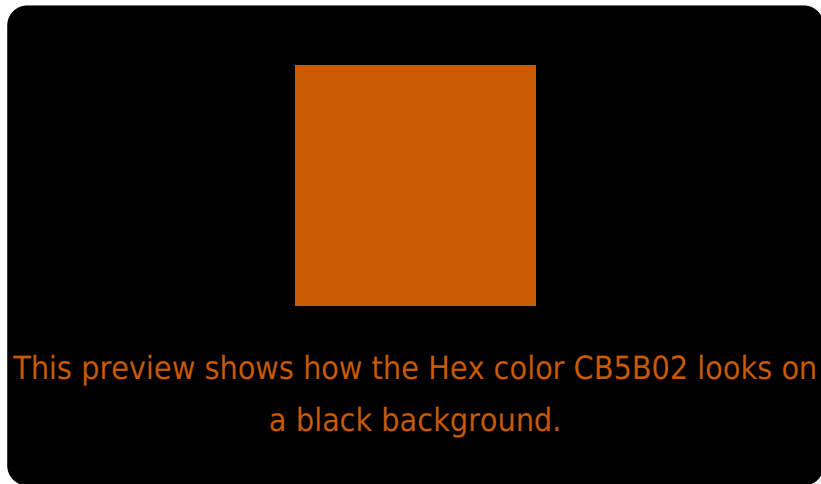
Large Text (above 18pt) WCAG AA ✓ Pass

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 CB5B02 Background



This preview shows how black text looks on a background with the Hex color CB5B02.



This preview shows how white text looks on a background with the Hex color CB5B02.

# 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



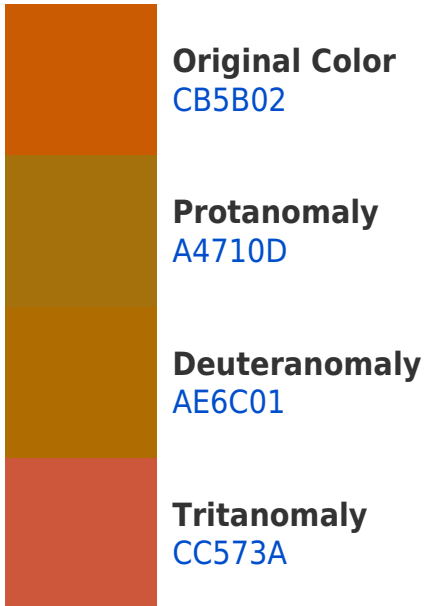
**Original Color**  
CB5B02

**Protanopia**  
8D7D13

**Deuteranopia**  
9E7600



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex CB5B02 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 #CB5B02 looks like.

```
.text, #text, p{  
    color:#CB5B02  
}
```

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 #CB5B02 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #CB5B02
}
```

## Border

The CSS property to change the border of an element to Hex CB5B02 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
#CB5B02 }
```

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

```
.border{ border-color:#CB5B02 }
```

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

Here you see how a box with a 4 pixel #CB5B02 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #CB5B02; -webkit-box-shadow:4px 4px  
4px 4px #CB5B02; box-shadow:4px 4px 4px  
4px #CB5B02 }
```

# Background

The CSS property to change the background color of an element to Hex CB5B02 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#CB5B02 }
```

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

```
.background{ background-color:#CB5B02 }
```

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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