

# Converting Colors

Hex(CB8700)

Have a look what the booklet for  
Hex(CB8700) contains.

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**Color**

**Hex(CB8700)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CB8700
RGB	203, 135, 0
RGB Percent	80%, 53%, 0%
CMY	0.2039, 0.4706, 1.0000
CMYK	0.00, 0.33, 1.00, 0.20
HSL	40°, 100%, 40%
HSV	40°, 100%, 80%
XYZ	33.2926, 30.0245, 4.0406
YIQ	139.9420, 83.8630, -27.5690

# Conversions

## Conversions Part 2

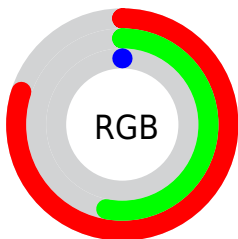
Format	Color
<a href="#">RYB</a>	<a href="#">102, 203, 0</a>
Decimal	<a href="#">13338368</a>
CIELab	<a href="#">61.68, 17.65, 67.21</a>
CIELCh	<a href="#">62, 69.492, 75.287</a>
Yxy	<a href="#">30.0245, 0.4943, 0.4457</a>
Android (android.graphics.Color)	<a href="#">4291528448</a> ( <a href="#">0xFFCB8700</a> )
YUV	<a href="#">139.9420, -68.9914, 55.3019</a>
Hunter-Lab	<a href="#">54.7946, 12.5641, 33.9841</a>

# Details

The Hex color **CB8700** is a dark color, and the websafe version is hex **CC9900**. The color can be described as dark washed orange. A complement of this color would be **0044CB**, and the grayscale version is **8D8D8D**.

A 20% lighter version of the original color is **FFBC47**, and **8F5500** is the 20% darker color. If you saturate the color by 10%, you get **CB8700**, and if you desaturate by 10%, it is **CB8E14**.

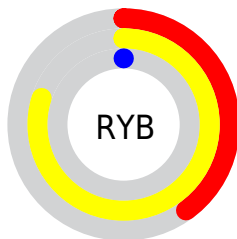
# Distribution



Red (80%)

Green (53%)

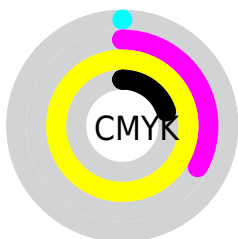
Blue (0%)



Red (40%)

Yellow (80%)

Blue (0%)

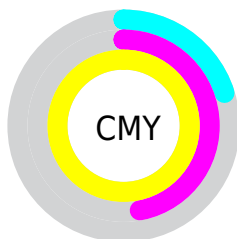


Cyan (0%)

Magenta (33%)

Yellow (100%)

Black (20%)



Cyan (20%)

Magenta (47%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color CB8700 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 CB8700 by changing the saturation by 10% instead.



 CB8700

 CB8700

FFFFFF

 AD6E00

 FFBC47

 8F5500

 FFD862

 723E00

 FFF47E

 552800

 FFFF99

 3A1300

 FFFFB5

 230000

 FFFFD2

 000000

 FFFFEE

 CB8700

 CB8E14

 CB9529

 CB9B3D

 CBA251

 CBA966

 CBB07A

 CBB78E

 CBBDA2

 CBC4B7

# Harmonies

## Analogous

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



F26C3F



CB8700



959C00

# Triad

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



CB8700



00B1B4



BF76EC

# Complementary

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



CB8700



0044CB

# 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.



4C91FF



CB8700



00AEED

# Square

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



CB8700



00AF73



00A5FF



F45BB6

# Rectangle

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



CB8700



68A522



00A5FF



A37FFA

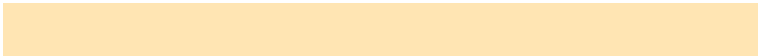


# Sweetspot

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



CB8700



FFE5B3



CB0047



807052



000000



808080



# Same Dimension

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



CB8700



FFAA00



ADCB00



66635C



A66E00



261900



# Inverse Universe

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



0044CB



0055FF



1E00CB



5C5F66



0038A6



000D26



# Previews

## White Background



This preview shows how the Hex color CB8700 looks on a white background.

## Color Contrast Check

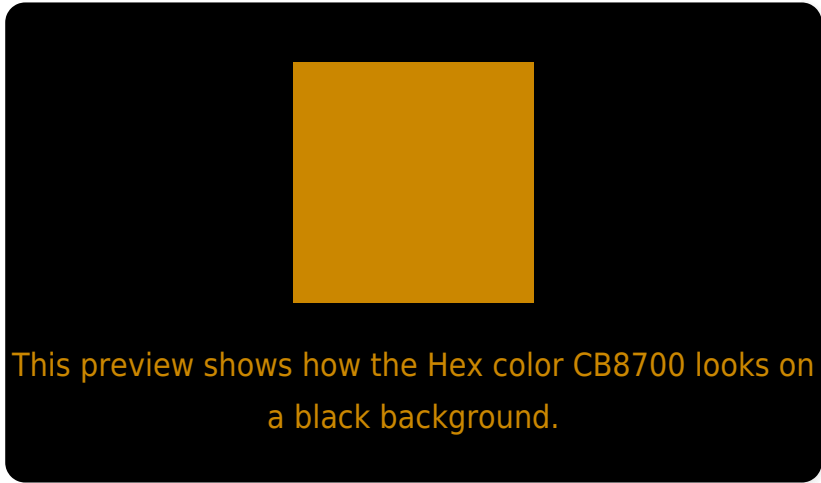
Large Text (above 18pt) WCAG AA ✓ Pass

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 ✓ Pass

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



## Hex CB8700 Background



This preview shows how black text looks on a background with the Hex color CB8700.



This preview shows how white text looks on a background with the Hex color CB8700.

# 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**  
CB8700

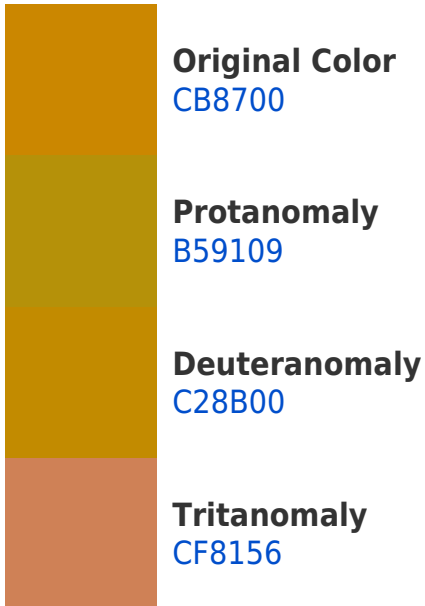
**Protanopia**  
A9960E

**Deuteranopia**  
BD8E00



**Tritanopia**  
D17D87

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex CB8700 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 #CB8700 looks like.

```
.text, #text, p{  
    color:#CB8700  
}
```

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 #CB8700 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #CB8700
}
```

## Border

The CSS property to change the border of an element to Hex CB8700 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
#CB8700 }
```

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

```
.border{ border-color:#CB8700 }
```

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

Here you see how a box with a 4 pixel #CB8700 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #CB8700; -webkit-box-shadow:4px 4px  
4px 4px #CB8700; box-shadow:4px 4px 4px  
4px #CB8700 }
```

# Background

The CSS property to change the background color of an element to Hex CB8700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#CB8700 }
```

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

```
.background{ background-color:#CB8700 }
```

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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