

# Converting Colors

Hex(CB7015)

Have a look what the booklet for  
Hex(CB7015) contains.

<b>Hex(CB7015)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

**Color**

**Hex(CB7015)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CB7015
RGB	203, 112, 21
RGB Percent	80%, 44%, 8%
CMY	0.2039, 0.5608, 0.9176
CMYK	0.00, 0.45, 0.90, 0.20
HSL	30°, 81%, 44%
HSV	30°, 90%, 80%
XYZ	30.5581, 24.3390, 3.7968
YIQ	128.8350, 83.4470, -9.0090

# Conversions

## Conversions Part 2

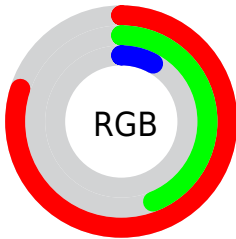
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	203, 203, 21
Decimal	13332501
CIE Lab	56.43, 30.35, 59.53
CIE LCh	56, 66.822, 62.986
Yxy	24.3390, 0.5206, 0.4147
Android (android.graphics.Color)	4291522581 (0xFFCB7015)
YUV	128.8350, -53.1627, 65.0427
Hunter-Lab	49.3346, 24.2285, 29.9713

# Details

The Hex color **CB7015** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **1570CB**, and the grayscale version is **818181**.

A 20% lighter version of the original color is **FFA54D**, and **8E3F00** is the 20% darker color. If you saturate the color by 10%, you get **CB6601**, and if you desaturate by 10%, it is **CB7A29**.

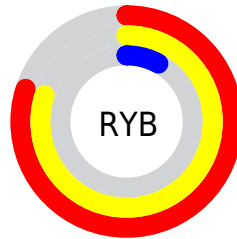
# Distribution



Red (80%)

Green (44%)

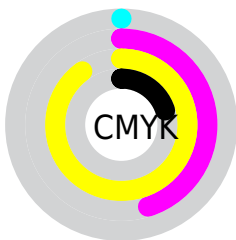
Blue (8%)



Red (80%)

Yellow (80%)

Blue (8%)

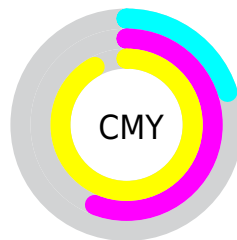


Cyan (0%)

Magenta (45%)

Yellow (90%)

Black (20%)



Cyan (20%)

Magenta (56%)

Yellow (92%)

# Brightness & Saturation Gradients

These gradients show how the Hex color CB7015 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 CB7015 by changing the saturation by 10% instead.



 CB7015

 CB7015

FFFFFF

 AC5700

 FFA54D

 8E3F00

 FFC067

 712700

 FFDC81

 540F00

 FFF99C

 380000

 FFFF88

 1C0001

 FFFFD4

 000000

 FFFFF1

 CB7015

 CB7015

 CB6601

 CB7A29

 CB6600

 CB843E

 CB8E52

 CB9966

 CBA37B

 CBAD8F

 CBB7A3

 CBC1B7

 CBCBCC

# Harmonies

## Analogous

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



E8564B



CB7015



9D8700

# Triad

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



CB7015



00A28C



8D75EA

# Complementary

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



CB7015



1570CB

# 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.



008DFC



CB7015



00A1C5

# Square

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



CB7015



009E4F



009BEF



D159BD

# Rectangle

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



CB7015



779200



009BEF



697EF3



# Sweetspot

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



CB7015



FFDDBA



CB1570



806B57



000000



808080



# Same Dimension

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



CB7015



FF8000



CBCB15



66615C



A65300



261300



# Inverse Universe

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



1570CB



0080FF



1515CB



5C6166



0053A6



001326



# Previews

## White Background



This preview shows how the Hex color CB7015 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 CB7015 Background



This preview shows how black text looks on a background with the Hex color CB7015.

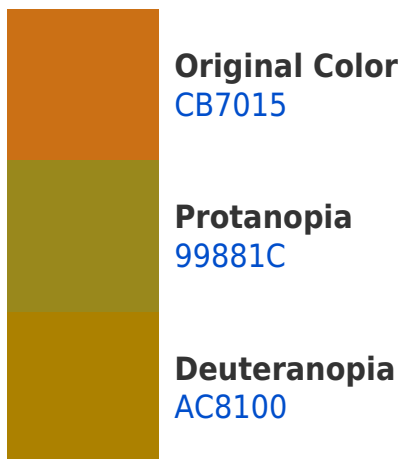


This preview shows how white text looks on a background with the Hex color CB7015.

# 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](#).

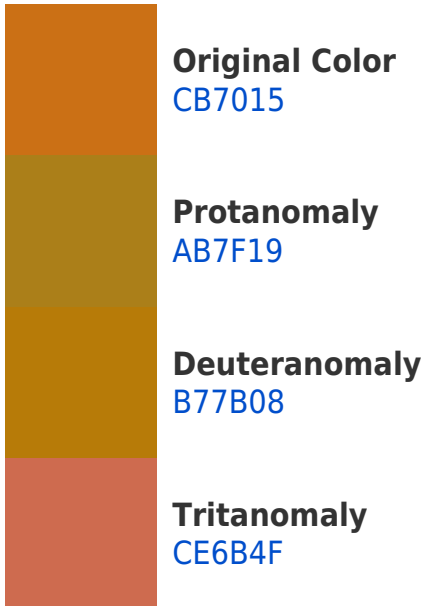
## Dichromacy





**Tritanopia**  
CF6870

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex CB7015 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 #CB7015 looks like.

```
.text, #text, p{  
    color:#CB7015  
}
```

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 #CB7015 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #CB7015
}
```

## Border

The CSS property to change the border of an element to Hex CB7015 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
#CB7015 }
```

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

```
.border{ border-color:#CB7015 }
```

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

Here you see how a box with a 4 pixel #CB7015 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #CB7015; -webkit-box-shadow:4px 4px  
4px 4px #CB7015; box-shadow:4px 4px 4px  
4px #CB7015 }
```

# Background

The CSS property to change the background color of an element to Hex CB7015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#CB7015 }
```

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

```
.background{ background-color:#CB7015 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor