

# Converting Colors

Hex(C87900)

Have a look what the booklet for  
Hex(C87900) contains.

|                                                |    |
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**Color**

**Hex(C87900)**

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>                |
|---------------|-----------------------------|
| Hex           | C87900                      |
| RGB           | 200, 121, 0                 |
| RGB Percent   | 78%, 47%, 0%                |
| CMY           | 0.2157, 0.5255, 1.0000      |
| CMYK          | 0.00, 0.40, 1.00, 0.22      |
| HSL           | 36°, 100%, 39%              |
| HSV           | 36°, 100%, 78%              |
| XYZ           | 30.6568, 25.9541, 3.3939    |
| YIQ           | 130.8270, 85.9250, -20.8830 |

# Conversions

## Conversions Part 2

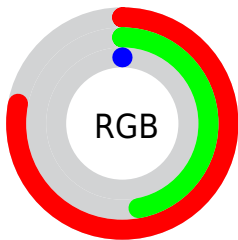
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>R<sub>YB</sub></b>               | 131, 200, 0                    |
| Decimal                             | 13138176                       |
| CIE <sub>Lab</sub>                  | 57.99, 23.96, 64.63            |
| CIE <sub>LCh</sub>                  | 58, 68.932, 69.659             |
| Yxy                                 | 25.9541, 0.5109,<br>0.4325     |
| Android<br>(android.graphics.Color) | 4291328256<br>(0xFFC87900)     |
| YUV                                 | 130.8270, -64.4977,<br>60.6647 |
| Hunter-Lab                          | 50.9452, 18.2602,<br>31.7119   |

# Details

The Hex color **C87900** 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 **004FC8**, and the grayscale version is **838383**.

A 20% lighter version of the original color is **FFAE44**, and **8C4800** is the 20% darker color. If you saturate the color by 10%, you get **C87900**, and if you desaturate by 10%, it is **C88114**.

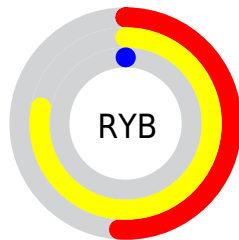
# Distribution



Red (78%)

Green (47%)

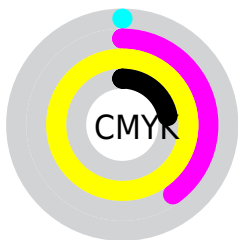
Blue (0%)



Red (51%)

Yellow (78%)

Blue (0%)

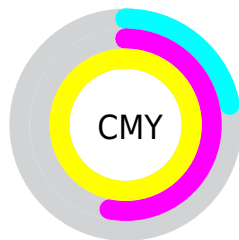


Cyan (0%)

Magenta (40%)

Yellow (100%)

Black (22%)



Cyan (22%)

Magenta (53%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color C87900 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 C87900 by changing the saturation by 10% instead.



 C87900

 C87900

FFFFFF

 AA6000

 FFAE44

 8C4800

 FFC95F

 6E3100

 FFE57A

 521B00

 FFFF95

 360500

 FFFFFB1

 1D0001

 FFFFCE

 000000

 FFFFEA

 C87900

 C88114

 C88928

 C8913C

 C89950

 C8A164

 C8A878

 C8B08C

 C8B8A0

 C8C0B4

# Harmonies

## Analogous

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



EB5E41



C87900



958F00

# Triad

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



C87900



00A79E



A672E9

# Complementary

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



C87900



004FC8

# 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.



008CFF



C87900



00A5D7

# Square

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



C87900



00A45F



009DFD



E155B7

# Rectangle

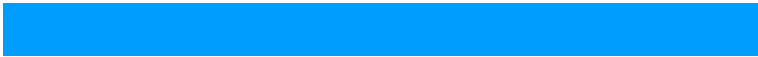
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



C87900



6C9905



009DFD



867CF5



# Sweetspot

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



C87900



FFE1B3



C80050



806D52



000000



808080



# Same Dimension

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



C87900



FF9A00



B4C800



63605A



A36300



241600



# Inverse Universe

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



004FC8



0065FF



1400C8



5A5D63



0040A3



000E24



# Previews

## White Background



This preview shows how the Hex color C87900 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 C87900 Background



This preview shows how black text looks on a background with the Hex color C87900.



This preview shows how white text looks on a background with the Hex color C87900.

# 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



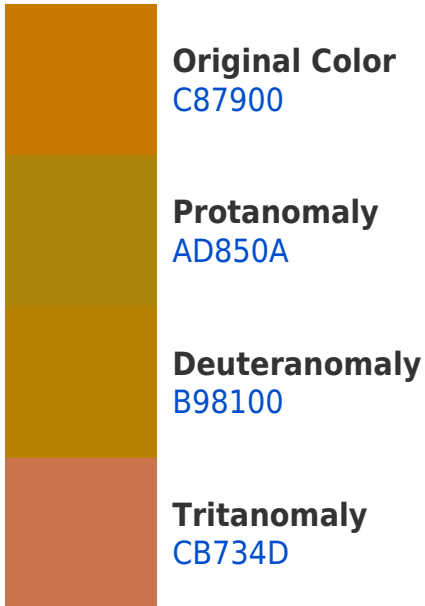
**Original Color**  
C87900

**Protanopia**  
9E8C0F

**Deuteranopia**  
B18500



# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex C87900 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 #C87900 looks like.

```
.text, #text, p{  
    color:#C87900  
}
```

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 #C87900 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #C87900
}
```

## Border

The CSS property to change the border of an element to Hex C87900 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
#C87900 }
```

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

```
.border{ border-color:#C87900 }
```

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

Here you see how a box with a 4 pixel #C87900 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #C87900; -webkit-box-shadow:4px 4px  
4px 4px #C87900; box-shadow:4px 4px 4px  
4px #C87900 }
```

# Background

The CSS property to change the background color of an element to Hex C87900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#C87900 }
```

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

```
.background{ background-color:#C87900 }
```

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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