

# Converting Colors

Hex(D09900)

Have a look what the booklet for  
Hex(D09900) contains.

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**Color**

**Hex(D09900)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D09900
RGB	208, 153, 0
RGB Percent	82%, 60%, 0%
CMY	0.1843, 0.4000, 1.0000
CMYK	0.00, 0.26, 1.00, 0.18
HSL	44°, 100%, 41%
HSV	44°, 100%, 82%
XYZ	37.4037, 36.1924, 5.0144
YIQ	152.0030, 81.8930, -35.9230

# Conversions

## Conversions Part 2

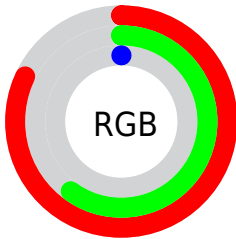
Format	Color
<a href="#">RYB</a>	<a href="#">75, 208, 0</a>
Decimal	<a href="#">13670656</a>
CIELab	<a href="#">66.67, 10.08, 70.84</a>
CIELCh	<a href="#">67, 71.554, 81.899</a>
Yxy	<a href="#">36.1924, 0.4758, 0.4604</a>
Android (android.graphics.Color)	<a href="#">4291860736</a> (0xFFD09900)
YUV	<a href="#">152.0030, -74.9375, 49.1094</a>
Hunter-Lab	<a href="#">60.1601, 5.6996, 37.1701</a>

# Details

The Hex color **D09900** 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 **0037D0**, and the grayscale version is **999999**.

A 20% lighter version of the original color is **FFCF4B**, and **946600** is the 20% darker color. If you saturate the color by 10%, you get **D09900**, and if you desaturate by 10%, it is **D09E15**.

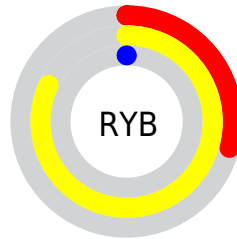
# Distribution



Red (82%)

Green (60%)

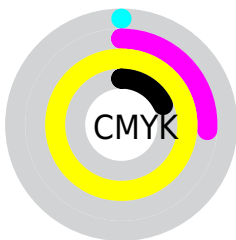
Blue (0%)



Red (29%)

Yellow (82%)

Blue (0%)

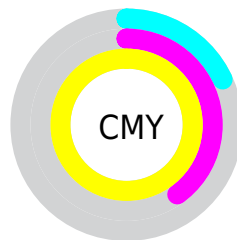


Cyan (0%)

Magenta (26%)

Yellow (100%)

Black (18%)



Cyan (18%)

Magenta (40%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color D09900 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 D09900 by changing the saturation by 10% instead.



 D09900

 D09900

FFFFFF

 B27F00

 FFCF4B

 946600

 FFE667

 774F00

 FFFF83

 5A3800

 FFFF9F

 3F2300

 FFFFBB

 260F00

 FFFFD8

 000000

 FFFFF5

 D09900

 D09E15

 D0A42A

 D0A93E

 D0AF53

 D0B468

 D0BA7D

 D0C092

 D0C5A6

 D0CBBB

# Harmonies

## Analogous

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



FD7E3C



D09900



94AD0F

# Triad

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



D09900



00C0D0



DE7BF2

# Complementary

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



D09900



0037D0

# 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.



7E99FF



D09900



00BBFF

# Square

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



D09900



00BF8E



00AFFF



FF63B6

# Rectangle

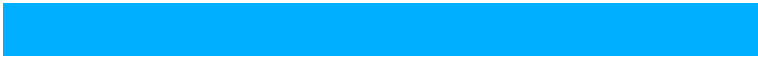
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



D09900



61B639



00AFFF



C585FF



# Sweetspot

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



D09900



FFEBB3



D00037



807352



000000



808080



# Same Dimension

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



D09900



FFBC00



9FD000



69665E



A87C00



291E00



# Inverse Universe

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



0037D0



0043FF



3100D0



5E6169



002DA8



000B29



# Previews

## White Background



This preview shows how the Hex color D09900 looks on a white background.

## Color Contrast Check

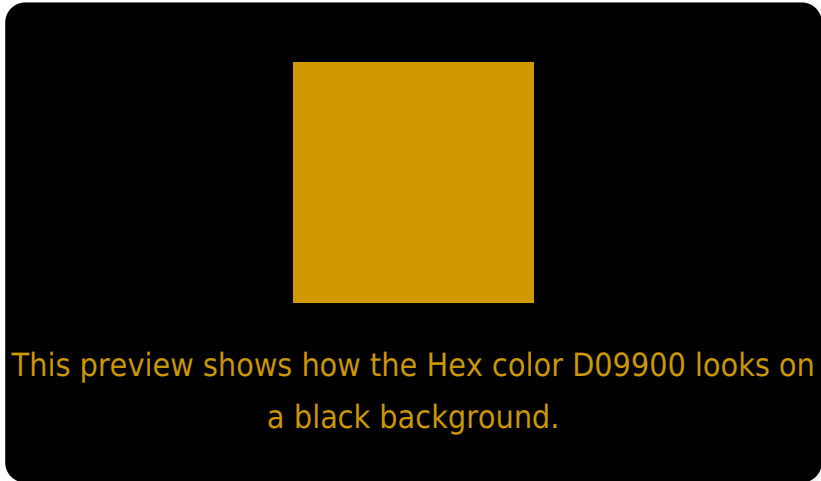
Large Text (above 18pt) WCAG AA × Fail

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 D09900 Background



This preview shows how black text looks on a background with the Hex color D09900.



This preview shows how white text looks on a background with the Hex color D09900.

# 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**  
D09900

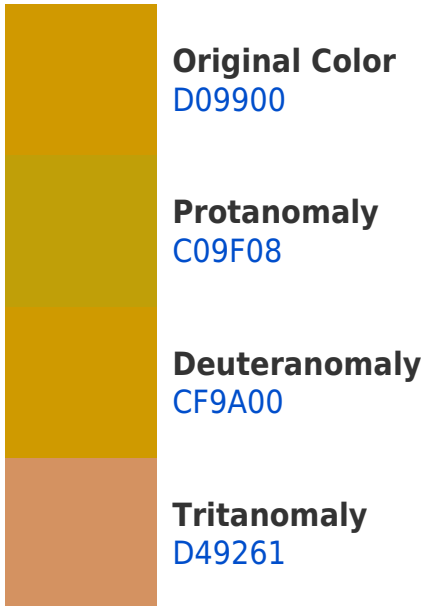
**Protanopia**  
B7A30C

**Deuteranopia**  
CE9A00

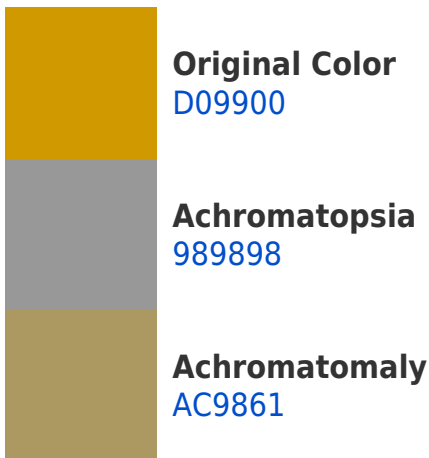


**Tritanopia**  
D78E99

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex D09900 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 #D09900 looks like.

```
.text, #text, p{  
    color:#D09900  
}
```

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 #D09900 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #D09900
}
```

## Border

The CSS property to change the border of an element to Hex D09900 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
#D09900 }
```

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

```
.border{ border-color:#D09900 }
```

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

Here you see how a box with a 4 pixel #D09900 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #D09900; -webkit-box-shadow:4px 4px  
4px 4px #D09900; box-shadow:4px 4px 4px  
4px #D09900 }
```

# Background

The CSS property to change the background color of an element to Hex D09900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#D09900 }
```

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

```
.background{ background-color:#D09900 }
```

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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