

# Converting Colors

Hex(D99300)

Have a look what the booklet for  
Hex(D99300) contains.

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**Color**

**Hex(D99300)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D99300
RGB	217, 147, 0
RGB Percent	85%, 58%, 0%
CMY	0.1490, 0.4235, 1.0000
CMYK	0.00, 0.32, 1.00, 0.15
HSL	41°, 100%, 43%
HSV	41°, 100%, 85%
XYZ	39.0490, 35.6192, 4.8171
YIQ	151.1720, 88.9070, -30.8770

# Conversions

## Conversions Part 2

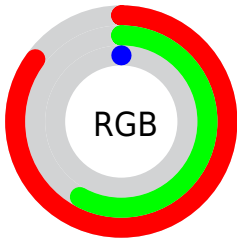
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">103, 217, 0</a>
Decimal	<a href="#">14258944</a>
<a href="#">CIELab</a>	<a href="#">66.23, 17.27, 71.04</a>
<a href="#">CIElCh</a>	<a href="#">66, 73.106, 76.335</a>
<a href="#">Yxy</a>	<a href="#">35.6192, 0.4913, 0.4481</a>
<a href="#">Android (android.graphics.Color)</a>	<a href="#">4292449024 (0xFFD99300)</a>
<a href="#">YUV</a>	<a href="#">151.1720, -74.5278, 57.7312</a>
<a href="#">Hunter-Lab</a>	<a href="#">59.6818, 12.3470, 36.9918</a>

# Details

The Hex color **D99300** 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 **0046D9**, and the grayscale version is **989898**.

A 20% lighter version of the original color is **FFC94A**, and **9C6100** is the 20% darker color. If you saturate the color by 10%, you get **D99300**, and if you desaturate by 10%, it is **D99A16**.

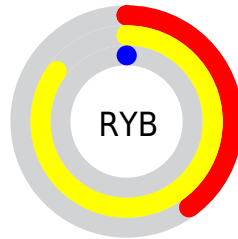
# Distribution



Red (85%)

Green (58%)

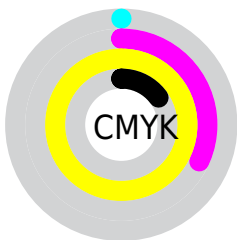
Blue (0%)



Red (40%)

Yellow (85%)

Blue (0%)

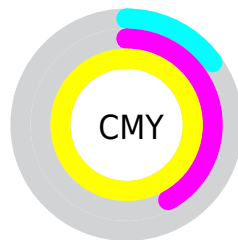


Cyan (0%)

Magenta (32%)

Yellow (100%)

Black (15%)



Cyan (15%)

Magenta (42%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color D99300 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 D99300 by changing the saturation by 10% instead.



 D99300

 D99300

FFFFFF

 BA7900

 FFC94A

 9C6100

 FFE566

 7F4900

 FFFF82

 623200

 FFFF9E

 461D00

 FFFFBA

 2C0800

 FFFFD7

 030000

 FFFFF4

 000000

 D99300

 D99A16

 D9A12B

 D9A841

 D9AF57

 D9B66D

 D9BD82

 D9C498

 D9CBAE

 D9D2C3

# Harmonies

## Analogous

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



FF7743



D99300



9FA900

# Triad

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



D99300



00BFC4



D17EFD

# Complementary

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



D99300



0046D9

# 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.



5C9CFF



D99300



00BCFF

# Square

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



D99300



00BD80



00B1FF



FF62C2

# Rectangle

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



D99300



6EB329



00B1FF



B489FF



# Sweetspot

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



D99300



FFE6B3



D90048



807152



000000



808080



# Same Dimension

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



D99300



FFAD00



B5D900



6E6A63



AD7500



2E1F00



# Inverse Universe

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



0046D9



0052FF



2400D9



63666E



0038AD



000F2E



# Previews

## White Background



This preview shows how the Hex color D99300 looks on a white background.

## Color Contrast Check

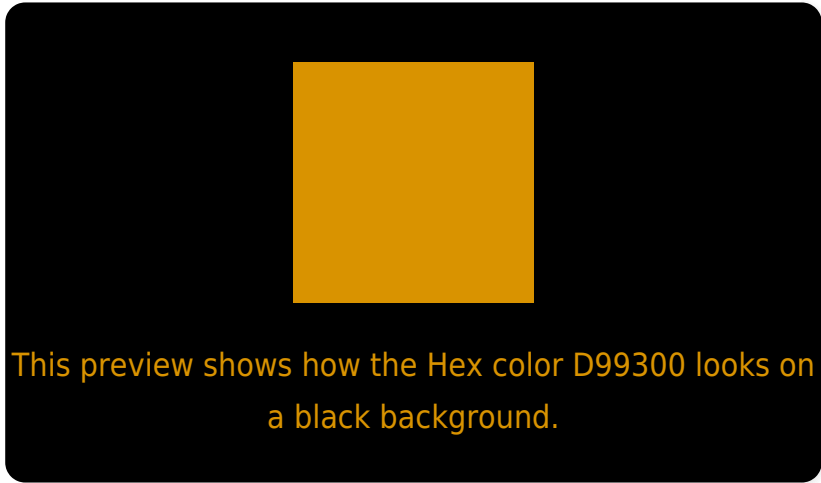
Large Text (above 18pt) WCAG AA × Fail

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 D99300 Background



This preview shows how black text looks on a background with the Hex color D99300.



This preview shows how white text looks on a background with the Hex color D99300.

# 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**  
D99300

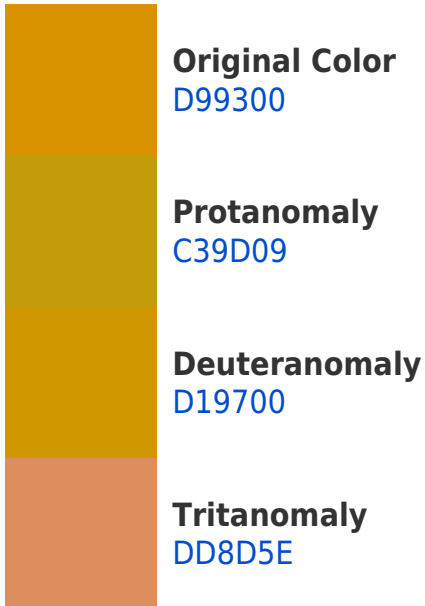
**Protanopia**  
B6A20E

**Deuteranopia**  
CC9900

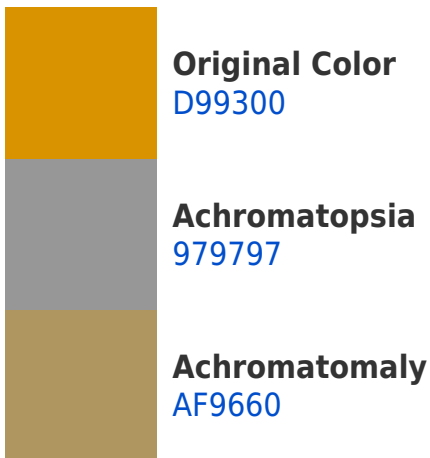


**Tritanopia**  
DF8993

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex D99300 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 #D99300 looks like.

```
.text, #text, p{  
    color:#D99300  
}
```

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 #D99300 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #D99300
}
```

## Border

The CSS property to change the border of an element to Hex D99300 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
#D99300 }
```

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

```
.border{ border-color:#D99300 }
```

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

Here you see how a box with a 4 pixel #D99300 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #D99300; -webkit-box-shadow:4px 4px  
4px 4px #D99300; box-shadow:4px 4px 4px  
4px #D99300 }
```

# Background

The CSS property to change the background color of an element to Hex D99300 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#D99300 }
```

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

```
.background{ background-color:#D99300 }
```

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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