

# Converting Colors

Hex(DA9900)

Have a look what the booklet for  
Hex(DA9900) contains.

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**Color**

**Hex(DA9900)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DA9900
RGB	218, 153, 0
RGB Percent	85%, 60%, 0%
CMY	0.1451, 0.4000, 1.0000
CMYK	0.00, 0.30, 1.00, 0.15
HSL	42°, 100%, 43%
HSV	42°, 100%, 85%
XYZ	40.3047, 37.6879, 5.1502
YIQ	154.9930, 87.8530, -33.8030

# Conversions

## Conversions Part 2

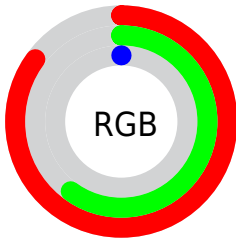
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">93, 218, 0</a>
Decimal	<a href="#">14326016</a>
CIELab	<a href="#">67.79, 14.48, 72.14</a>
CIElCh	<a href="#">68, 73.574, 78.650</a>
Yxy	<a href="#">37.6879, 0.4848, 0.4533</a>
Android (android.graphics.Color)	<a href="#">4292516096</a> ( <a href="#">0xFFDA9900</a> )
YUV	<a href="#">154.9930, -76.4115, 55.2571</a>
Hunter-Lab	<a href="#">61.3905, 9.7573, 37.9993</a>

# Details

The Hex color **DA9900** 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 **0041DA**, and the grayscale version is **9C9C9C**.

A 20% lighter version of the original color is **FFCF4B**, and **9D6600** is the 20% darker color. If you saturate the color by 10%, you get **DA9900**, and if you desaturate by 10%, it is **DAA016**.

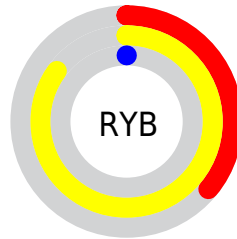
# Distribution



Red (85%)

Green (60%)

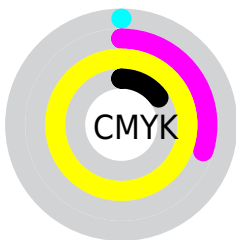
Blue (0%)



Red (36%)

Yellow (85%)

Blue (0%)

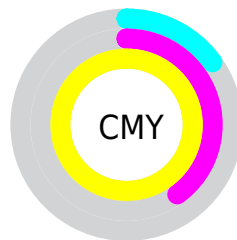


Cyan (0%)

Magenta (30%)

Yellow (100%)

Black (15%)



Cyan (15%)

Magenta (40%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color DA9900 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 DA9900 by changing the saturation by 10% instead.



 DA9900

 DA9900

FFFFFF

 BB7F00

 FFCF4B

 9D6600

 FFE667

 804E00

 FFFF83

 633800

 FFFF9F

 472200

 FFFFBC

 2D0E00

 FFFFD9

 0D0000

 FFFFF6

 000000

 DA9900

 DAA016

 DAA62C

 DAAD41

 DAB357

 DABA6D

 DAC083

 DAC799

 DACDAE

 DAD3C4

# Harmonies

## Analogous

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



FF7D42



DA9900



9EAE00

# Triad

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



DA9900



00C4CE



DB80FE

# Complementary

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



DA9900



0041DA

# 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.



6E9EFF



DA9900



00C0FF

# Square

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



DA9900



00C289



00B4FF



FF65C1

# Rectangle

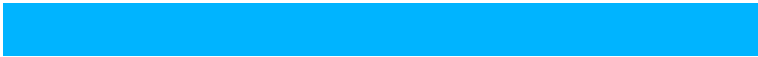
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



DA9900



6BB831



00B4FF



C08BFF



# Sweetspot

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



DA9900



FFE8B3



DA0041



807252



000000



808080



# Same Dimension

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



DA9900



FFB300



AEDA00



6E6A63



AD7A00



2E2000



# Inverse Universe

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



0041DA



004CFF



2C00DA



63666E



0034AD



000E2E



# Previews

## White Background



This preview shows how the Hex color DA9900 looks on a white background.

## Color Contrast Check

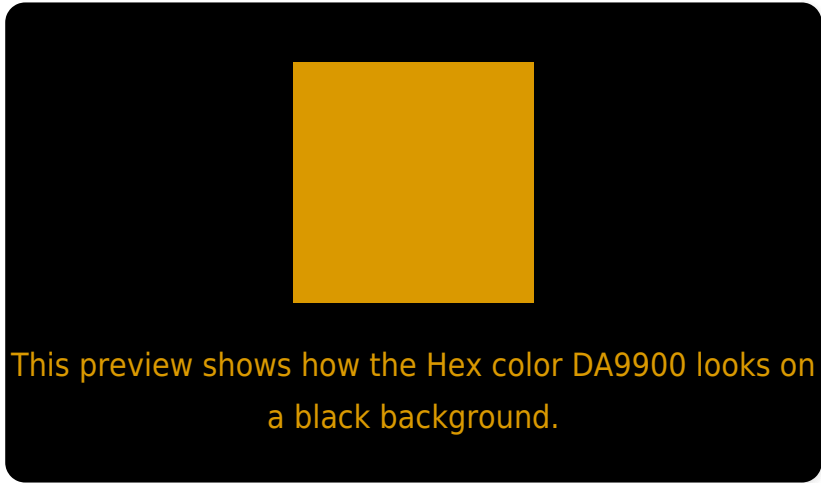
Large Text (above 18pt) WCAG AA × Fail

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 DA9900 Background



This preview shows how black text looks on a background with the Hex color DA9900.



This preview shows how white text looks on a background with the Hex color DA9900.

# 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**  
DA9900

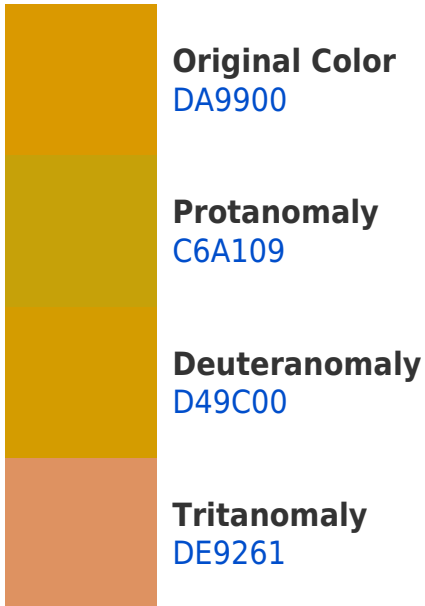
**Protanopia**  
BBA60E

**Deuteranopia**  
D19D00

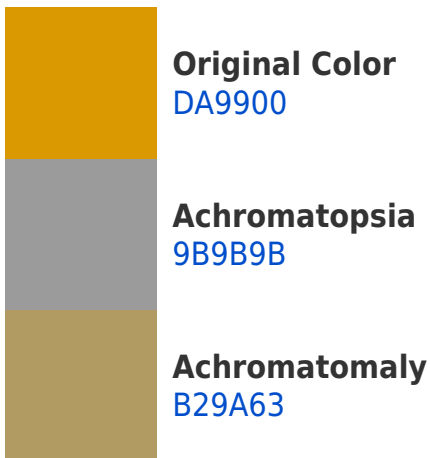


**Tritanopia**  
E18E99

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex DA9900 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 #DA9900 looks like.

```
.text, #text, p{  
    color:#DA9900  
}
```

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 #DA9900 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #DA9900  
}
```

## Border

The CSS property to change the border of an element to Hex DA9900 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  
#DA9900 }
```

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

```
.border{ border-color:#DA9900 }
```

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

Here you see how a box with a 4 pixel #DA9900 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #DA9900; -webkit-box-shadow:4px 4px  
4px 4px #DA9900; box-shadow:4px 4px 4px  
4px #DA9900 }
```

# Background

The CSS property to change the background color of an element to Hex DA9900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#DA9900 }
```

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

```
.background{ background-color:#DA9900 }
```

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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