

# Converting Colors

Hex(D9A900)

Have a look what the booklet for  
Hex(D9A900) contains.

<b>Hex(D9A900)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# **Color**

**Hex(D9A900)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D9A900
RGB	217, 169, 0
RGB Percent	85%, 66%, 0%
CMY	0.1490, 0.3373, 1.0000
CMYK	0.00, 0.22, 1.00, 0.15
HSL	47°, 100%, 43%
HSV	47°, 100%, 85%
XYZ	42.8032, 43.1276, 6.0685
YIQ	164.0860, 82.8570, -42.3830

# Conversions

## Conversions Part 2

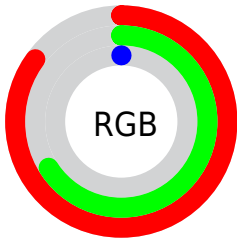
Format	Color
<a href="#">RYB</a>	<a href="#">62, 217, 0</a>
Decimal	<a href="#">14264576</a>
CIELab	<a href="#">71.64, 5.49, 74.71</a>
CIELCh	<a href="#">72, 74.911, 85.801</a>
Yxy	<a href="#">43.1276, 0.4653, 0.4688</a>
Android (android.graphics.Color)	<a href="#">4292454656</a> ( <a href="#">0xFFD9A900</a> )
YUV	<a href="#">164.0860, -80.8944, 46.4056</a>
Hunter-Lab	<a href="#">65.6716, 1.4167, 40.4914</a>

# Details

The Hex color **D9A900** 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 **0030D9**, and the grayscale version is **A5A5A5**.

A 20% lighter version of the original color is **FFE04E**, and **9D7500** is the 20% darker color. If you saturate the color by 10%, you get **D9A900**, and if you desaturate by 10%, it is **D9AE16**.

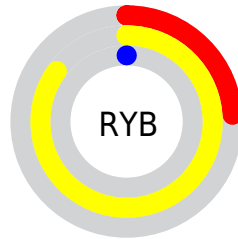
# Distribution



Red (85%)

Green (66%)

Blue (0%)



Red (24%)

Yellow (85%)

Blue (0%)

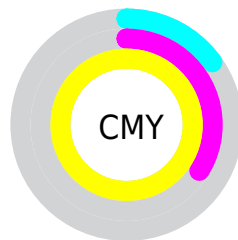


Cyan (0%)

Magenta (22%)

Yellow (100%)

Black (15%)



Cyan (15%)

Magenta (34%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color D9A900 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 D9A900 by changing the saturation by 10% instead.



 D9A900

 D9A900

FFFFFF

 BB8F00

 FFE04E

 9D7500

 FFFC6B

 805D00

 FFFF87

 634600

 FFFFA3

 473000

 FFFFC0

 2E1B00

 FFFFDD

 140100

 FFFFFB

 000000

 D9A900

 D9AE16

 D9B32B

 D9B741

 D9BC57

 D9C16D

 D9C682

 D9CB98

 D9CFAE

 D9D4C3

# Harmonies

## Analogous

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



FF8D3C



D9A900



97BD1F

# Triad

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



D9A900



00CFE9



F882FD

# Complementary

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



D9A900



0030D9

# 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.



9CA1FF



D9A900



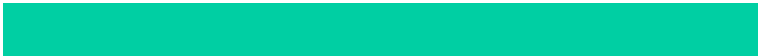
00C9FF

# Square

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



D9A900



00CFA3



00BAFF



FF6BBC

# Rectangle

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



D9A900



5DC648



00BAFF



E08DFF

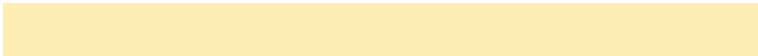


# Sweetspot

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



D9A900



FFEEB3



D90033



807552



000000



808080



# Same Dimension

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



D9A900



FFC700



9FD900



6E6B63



AD8700



2E2400



# Inverse Universe

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



0030D9



0038FF



3A00D9



63656E



0026AD



000A2E



# Previews

## White Background



This preview shows how the Hex color D9A900 looks on a white background.

## Color Contrast Check

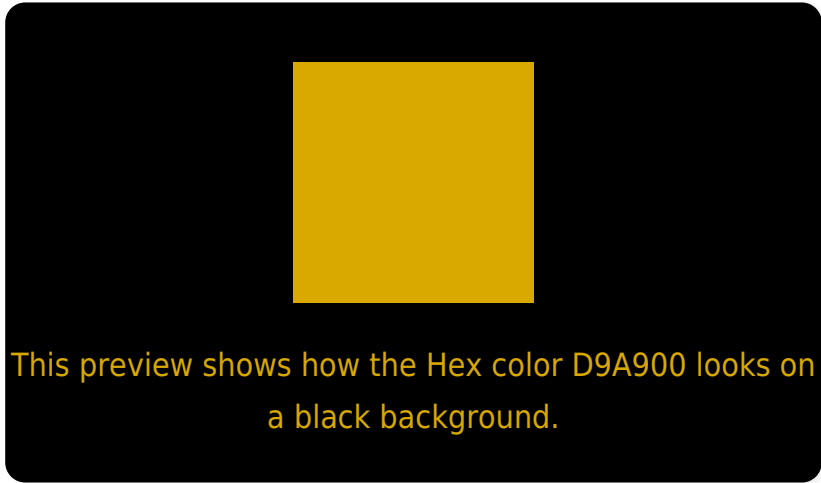
Large Text (above 18pt) WCAG AA × Fail

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 D9A900 Background



This preview shows how black text looks on a background with the Hex color D9A900.



This preview shows how white text looks on a background with the Hex color D9A900.

# 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**  
D9A900

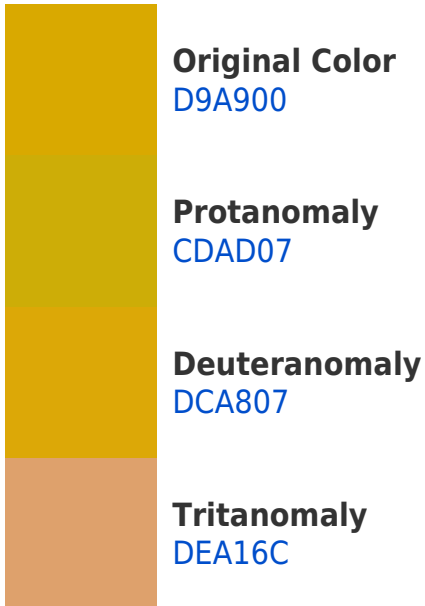
**Protanopia**  
C6B00B

**Deuteranopia**  
DEA70B

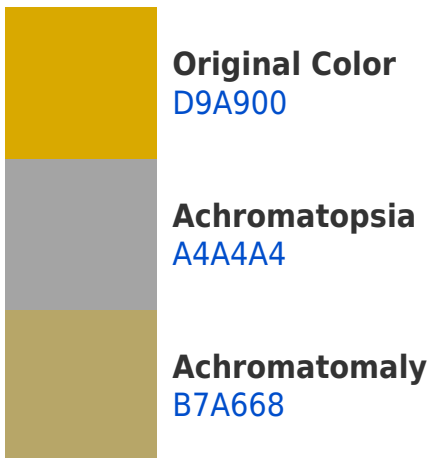


**Tritanopia**  
E19DA9

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex D9A900 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 #D9A900 looks like.

```
.text, #text, p{  
    color:#D9A900  
}
```

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 #D9A900 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #D9A900
}
```

## Border

The CSS property to change the border of an element to Hex D9A900 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
#D9A900 }
```

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

```
.border{ border-color:#D9A900 }
```

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

Here you see how a box with a 4 pixel #D9A900 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #D9A900; -webkit-box-shadow:4px 4px  
4px 4px #D9A900; box-shadow:4px 4px 4px  
4px #D9A900 }
```

# Background

The CSS property to change the background color of an element to Hex D9A900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#D9A900 }
```

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

```
.background{ background-color:#D9A900 }
```

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