

# Converting Colors

Hex(DE7900)

Have a look what the booklet for  
Hex(DE7900) contains.

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**Color**

**Hex(DE7900)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DE7900
RGB	222, 121, 0
RGB Percent	87%, 47%, 0%
CMY	0.1294, 0.5255, 1.0000
CMYK	0.00, 0.45, 1.00, 0.13
HSL	33°, 100%, 44%
HSV	33°, 100%, 87%
XYZ	36.9616, 29.2043, 3.6889
YIQ	137.4050, 99.0370, -16.2190

# Conversions

## Conversions Part 2

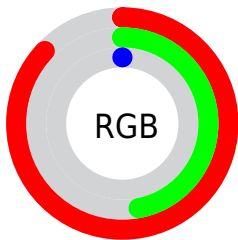
<b>Format</b>	<b>Color</b>
<b>RYB</b>	185, 222, 0
Decimal	14579968
CIELab	60.96, 33.23, 67.98
CIElCh	61, 75.662, 63.952
Yxy	29.2043, 0.5291, 0.4181
Android (android.graphics.Color)	4292770048 (0xFFDE7900)
YUV	137.4050, -67.7407, 74.1898
Hunter-Lab	54.0410, 27.5139, 33.7815

# Details

The Hex color **DE7900** 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 **0065DE**, and the grayscale version is **8A8A8A**.

A 20% lighter version of the original color is **FFAE45**, and **A04700** is the 20% darker color. If you saturate the color by 10%, you get **DE7900**, and if you desaturate by 10%, it is **DE8316**.

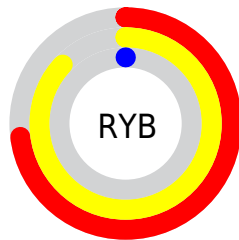
# Distribution



Red (87%)

Green (47%)

Blue (0%)



Red (73%)

Yellow (87%)

Blue (0%)

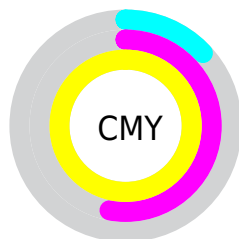


Cyan (0%)

Magenta (45%)

Yellow (100%)

Black (13%)



Cyan (13%)

Magenta (53%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color DE7900 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 DE7900 by changing the saturation by 10% instead.



 DE7900

 DE7900

FFFFFF

 BF6000

 FFAE45

 A04700

 FFCA61

 812F00

 FFE67C

 641600

 FFFF97

 470000

 FFFFB3

 2F0001

 FFFFD0

 000000

 FFFFED

 DE7900

 DE8316

 DE8D2C

 DE9743

 DEA159

 DEAC6F

 DEB685

 DEC09B

 DECAB2

 DED4C8

# Harmonies

## Analogous

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



FF594C



DE7900



A99300

# Triad

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



DE7900



00B19A



9C7DFE

# Complementary

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



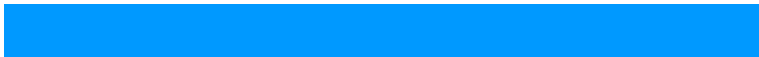
DE7900



0065DE

# 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.



0099FF



DE7900



00B0DC

# Square

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



DE7900



00AD55



00A9FF



E95ACF

# Rectangle

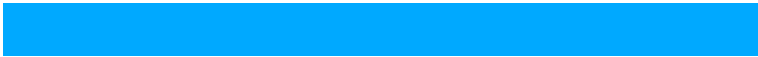
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



DE7900



7D9F00



00A9FF



7187FF



# Sweetspot

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



DE7900



FFDCB3



DE0068



806B52



000000



808080



# Same Dimension

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



DE7900



FF8B00



D7DE00



706B65



B06000



301A00



# Inverse Universe

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



0065DE



0074FF



0700DE



656A70



0050B0



001630



# Previews

## White Background



This preview shows how the Hex color DE7900 looks on a white background.

## Color Contrast Check

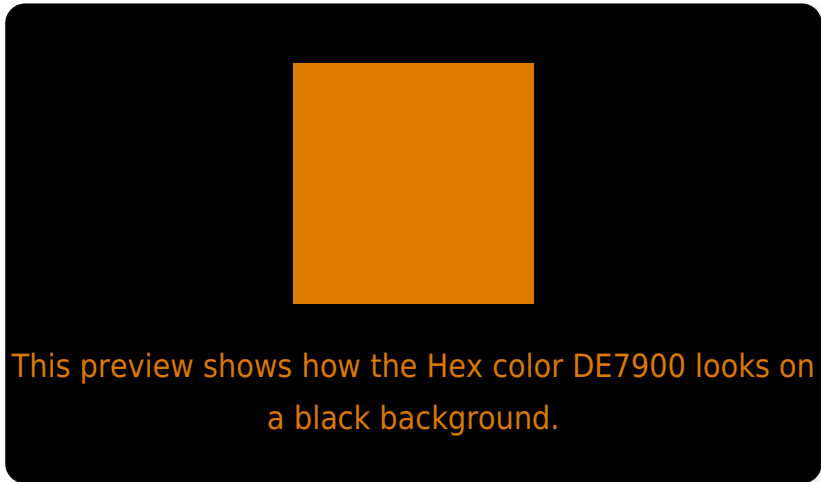
Large Text (above 18pt) WCAG AA ✓ Pass

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 DE7900 Background



This preview shows how black text looks on a background with the Hex color DE7900.



This preview shows how white text looks on a background with the Hex color DE7900.

# 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**  
DE7900

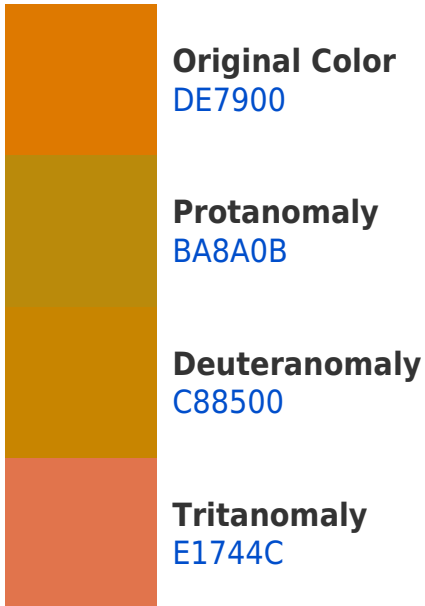
**Protanopia**  
A69412

**Deuteranopia**  
BB8C00

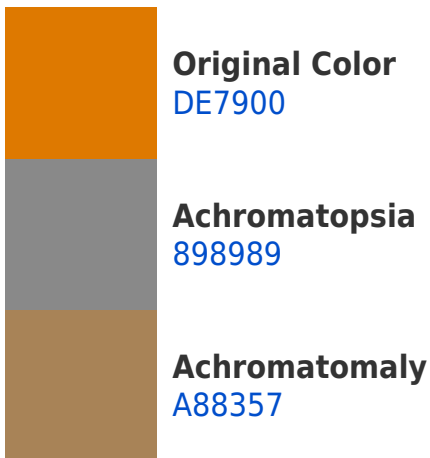


**Tritanopia**  
E27178

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex DE7900 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 #DE7900 looks like.

```
.text, #text, p{  
    color:#DE7900  
}
```

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 #DE7900 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #DE7900
}
```

## Border

The CSS property to change the border of an element to Hex DE7900 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
#DE7900 }
```

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

```
.border{ border-color:#DE7900 }
```

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

Here you see how a box with a 4 pixel #DE7900 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #DE7900; -webkit-box-shadow:4px 4px  
4px 4px #DE7900; box-shadow:4px 4px 4px  
4px #DE7900 }
```

# Background

The CSS property to change the background color of an element to Hex DE7900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#DE7900 }
```

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

```
.background{ background-color:#DE7900 }
```

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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