

# Converting Colors

Hex(DC7F00)

Have a look what the booklet for  
Hex(DC7F00) contains.

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**Color**

**Hex(DC7F00)**

# Conversions

## Conversions Part 1

| Format      | Color                       |
|-------------|-----------------------------|
| Hex         | DC7F00                      |
| RGB         | 220, 127, 0                 |
| RGB Percent | 86%, 50%, 0%                |
| CMY         | 0.1373, 0.5020, 1.0000      |
| CMYK        | 0.00, 0.42, 1.00, 0.14      |
| HSL         | 35°, 100%, 43%              |
| HSV         | 35°, 100%, 86%              |
| XYZ         | 37.1046, 30.3944, 3.9111    |
| YIQ         | 140.3290, 96.1950, -19.7810 |

# Conversions

## Conversions Part 2

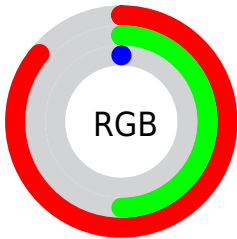
| Format                              | Color   |
|-------------------------------------|---|
| <a href="#">RYB</a>                 | <a href="#">161, 220, 0</a>                     |
| Decimal                             | <a href="#">14450432</a>                        |
| CIELab                              | <a href="#">61.99, 29.25, 68.48</a>             |
| CIElCh                              | <a href="#">62, 74.466, 66.872</a>              |
| Yxy                                 | <a href="#">30.3944, 0.5196,<br/>0.4256</a>     |
| Android<br>(android.graphics.Color) | <a href="#">4292640512<br/>(0xFFDC7F00)</a>     |
| YUV                                 | <a href="#">140.3290, -69.1822,<br/>69.8715</a> |
| Hunter-Lab                          | <a href="#">55.1311, 23.6554,<br/>34.3857</a>   |

# Details

The Hex color **DC7F00** is a dark color, and the websafe version is hex **FF9933**. The color can be described as dark washed orange. A complement of this color would be **005DDC**, and the grayscale version is **8D8D8D**.

A 20% lighter version of the original color is **FFB446**, and **9E4D00** is the 20% darker color. If you saturate the color by 10%, you get **DC7F00**, and if you desaturate by 10%, it is **DC8816**.

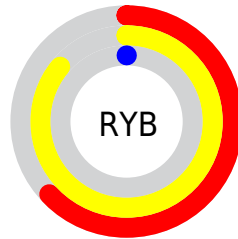
# Distribution



Red (86%)

Green (50%)

Blue (0%)



Red (63%)

Yellow (86%)

Blue (0%)

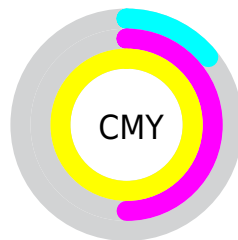


Cyan (0%)

Magenta (42%)

Yellow (100%)

Black (14%)



Cyan (14%)

Magenta (50%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color DC7F00 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 DC7F00 by changing the saturation by 10% instead.



 DC7F00

 DC7F00

FFFFFF

 BD6600

 FFB446

 9E4D00

 FFD062

 803500

 FFEC7D

 621E00

 FFFF98

 460500

 FFFFB5

 2D0000

 FFFFD1

 000000

 FFFFEE

 DC7F00

 DC8816

 DC922C

 DC9B42

 DCA458

 DCAE6E

 DCB784

 DCC09A

 DCC9B0

 DCD3C6

# Harmonies

## Analogous

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



FF604A



DC7F00



A69800

# Triad

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



DC7F00



00B4A4



A97DFE

# Complementary

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



DC7F00



005DDC

# 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



DC7F00



00B2E4

# Square

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



DC7F00



00B05F



00AAFF



F05CCB

# Rectangle

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



DC7F00



7AA300



00AAFF



8487FF



# Sweetspot

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



DC7F00



FFDFB3



DC005F



806C52



000000



808080



# Same Dimension

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



DC7F00



FF9300



CDDC00



6E6963



AD6400



2E1A00



# Inverse Universe

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



005DDC



006CFF



0F00DC



63676E



0049AD



00132E



# Previews

## White Background



This preview shows how the Hex color DC7F00 looks on a white background.

## Color Contrast Check

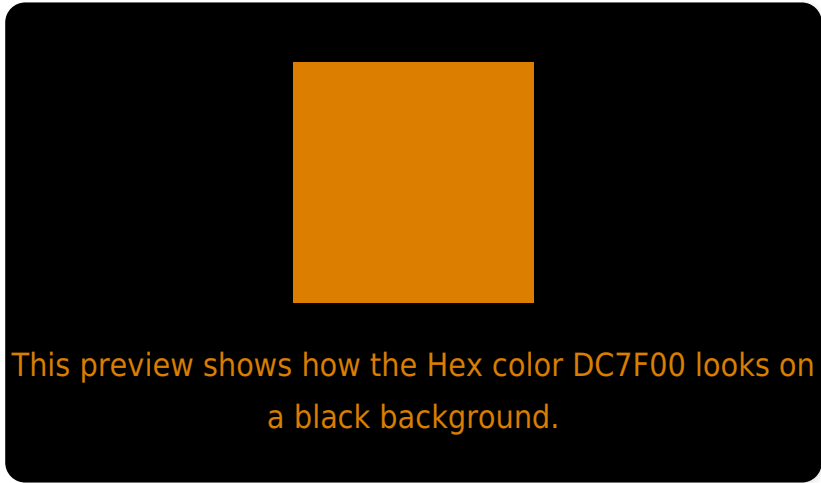
Large Text (above 18pt) WCAG AA × Fail

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 DC7F00 Background



This preview shows how black text looks on a background with the Hex color DC7F00.



This preview shows how white text looks on a background with the Hex color DC7F00.

# 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**  
DC7F00

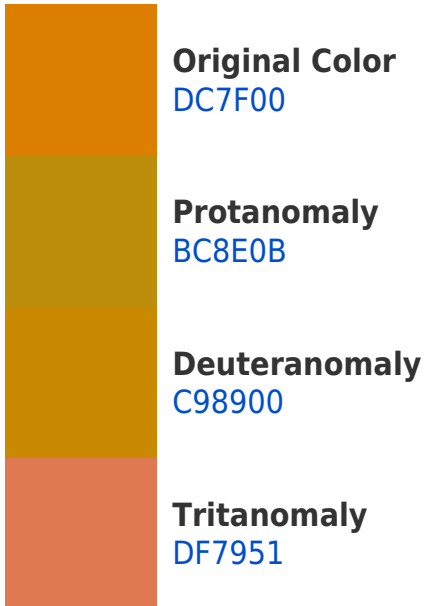
**Protanopia**  
AA9711

**Deuteranopia**  
BE8F00



**Tritanopia**  
E1767F

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex DC7F00 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 #DC7F00 looks like.

```
.text, #text, p{  
    color:#DC7F00  
}
```

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 #DC7F00 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #DC7F00
}
```

## Border

The CSS property to change the border of an element to Hex DC7F00 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
#DC7F00 }
```

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

```
.border{ border-color:#DC7F00 }
```

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

Here you see how a box with a 4 pixel #DC7F00 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #DC7F00; -webkit-box-shadow:4px 4px  
4px 4px #DC7F00; box-shadow:4px 4px 4px  
4px #DC7F00 }
```

# Background

The CSS property to change the background color of an element to Hex DC7F00 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#DC7F00 }
```

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

```
.background{ background-color:#DC7F00 }
```

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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