

# Converting Colors

Hex(D66A00)

Have a look what the booklet for  
Hex(D66A00) contains.

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**Color**

**Hex(D66A00)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D66A00
RGB	214, 106, 0
RGB Percent	84%, 42%, 0%
CMY	0.1608, 0.5843, 1.0000
CMYK	0.00, 0.50, 1.00, 0.16
HSL	30°, 100%, 42%
HSV	30°, 100%, 84%
XYZ	32.8856, 24.6042, 3.0158
YIQ	126.2080, 98.3940, -10.0700

# Conversions

## Conversions Part 2

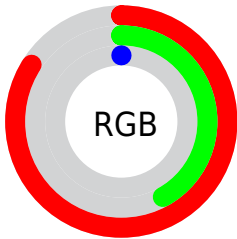
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	214, 210, 0
Decimal	14051840
CIE <sub>Lab</sub>	56.69, 37.71, 64.81
CIE <sub>LCh</sub>	57, 74.981, 59.810
Yxy	24.6042, 0.5435, 0.4066
Android (android.graphics.Color)	4292241920 (0xFFD66A00)
YUV	126.2080, -62.2205, 76.9936
Hunter-Lab	49.6026, 31.5375, 31.1170

# Details

The Hex color **D66A00** 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 **006CD6**, and the grayscale version is **7F7F7F**.

A 20% lighter version of the original color is **FF9F42**, and **983800** is the 20% darker color. If you saturate the color by 10%, you get **D66A00**, and if you desaturate by 10%, it is **D67515**.

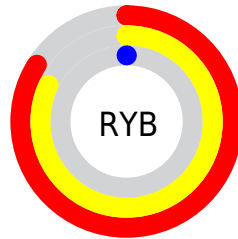
# Distribution



Red (84%)

Green (42%)

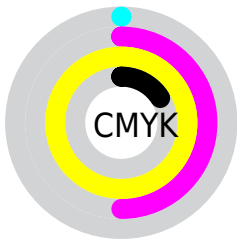
Blue (0%)



Red (84%)

Yellow (82%)

Blue (0%)

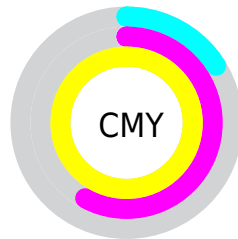


Cyan (0%)

Magenta (50%)

Yellow (100%)

Black (16%)



Cyan (16%)

Magenta (58%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color D66A00 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 D66A00 by changing the saturation by 10% instead.



 D66A00

 D66A00

FFFFFF

 B75100

 FF9F42

 983800

 FFBA5D

 791E00

 FFD677

 5C0000

 FFF393

 3F0000

 FFFF4E

 250001

 FFFFCB

 000000

 FFFF7E

 D66A00

 D67515

 D6802B

 D68A40

 D69556

 D6A06B

 D6AB80

 D6B696

 D6C0AB

 D6CBC1

# Harmonies

## Analogous

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



F5494B



D66A00



A48500

# Triad

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



D66A00



00A486



8077FB

# Complementary

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



D66A00



006CD6

# 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.



0090FF



D66A00



00A4C8

# Square

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



D66A00



00A041



009FF9



D454CB

# Rectangle

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



D66A00



7B9200



009FF9



4B80FF



# Sweetspot

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



D66A00



FFD8B3



D6006F



806852



000000



808080



# Same Dimension

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



D66A00



FF7E00



D6D200



6B6660



AB5500



2B1500



# Inverse Universe

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



006CD6



0081FF



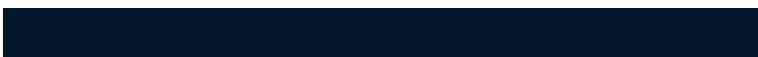
0004D6



60666B



0056AB



00162B



# Previews

## White Background



This preview shows how the Hex color D66A00 looks on a white background.

## Color Contrast Check

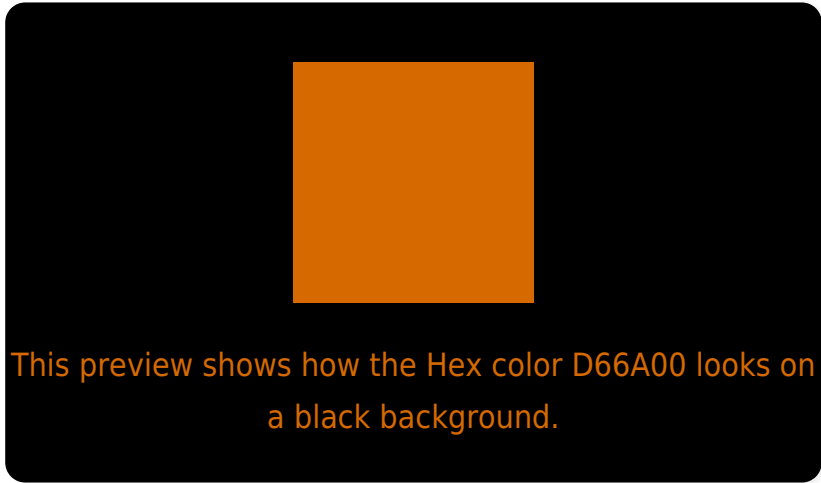
Large Text (above 18pt) WCAG AA ✓ Pass

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 D66A00 Background



This preview shows how black text looks on a background with the Hex color D66A00.



This preview shows how white text looks on a background with the Hex color D66A00.

# 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**  
D66A00

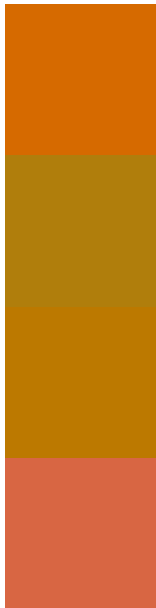
**Protanopia**  
9A8913

**Deuteranopia**  
AD8200



**Tritanopia**  
D96369

# Trichromacy



**Original Color**  
D66A00

**Protanomaly**  
B07E0C

**Deuteranomaly**  
BC7900

**Tritanomaly**  
D86643

# Monochromacy



**Original Color**  
D66A00

**Achromatopsia**  
7E7E7E

**Achromatomaly**  
9E7750

# CSS Examples

## Text

The CSS property to change the color of the text to Hex D66A00 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 #D66A00 looks like.

```
.text, #text, p{  
    color:#D66A00  
}
```

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 #D66A00 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #D66A00
}
```

## Border

The CSS property to change the border of an element to Hex D66A00 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
#D66A00 }
```

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

```
.border{ border-color:#D66A00 }
```

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

Here you see how a box with a 4 pixel #D66A00 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #D66A00; -webkit-box-shadow:4px 4px  
4px 4px #D66A00; box-shadow:4px 4px 4px  
4px #D66A00 }
```

# Background

The CSS property to change the background color of an element to Hex D66A00 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#D66A00 }
```

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

```
.background{ background-color:#D66A00 }
```

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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