

# Converting Colors

Hex(D06012)

Have a look what the booklet for  
Hex(D06012) contains.

<b>Hex(D06012)</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(D06012)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D06012
RGB	208, 96, 18
RGB Percent	82%, 38%, 7%
CMY	0.1843, 0.6235, 0.9294
CMYK	0.00, 0.54, 0.91, 0.18
HSL	25°, 84%, 44%
HSV	25°, 91%, 82%
XYZ	30.3045, 21.8193, 3.1866
YIQ	120.5960, 91.7900, -0.5140

# Conversions

## Conversions Part 2

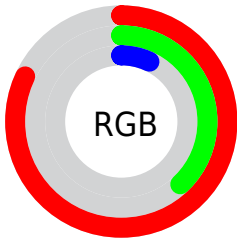
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">208, 150, 18</a>
Decimal	<a href="#">13656082</a>
CIELab	<a href="#">53.83, 40.57, 58.77</a>
CIElCh	<a href="#">54, 71.413, 55.383</a>
Yxy	<a href="#">21.8193, 0.5479, 0.3945</a>
Android (android.graphics.Color)	<a href="#">4291846162</a> (0xFFD06012)
YUV	<a href="#">120.5960, -50.5798, 76.6533</a>
Hunter-Lab	<a href="#">46.7111, 34.0597, 28.6531</a>

# Details

The Hex color **D06012** 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 **1282D0**, and the grayscale version is **797979**.

A 20% lighter version of the original color is **FF9549**, and **922D00** is the 20% darker color. If you saturate the color by 10%, you get **D05500**, and if you desaturate by 10%, it is **D06C27**.

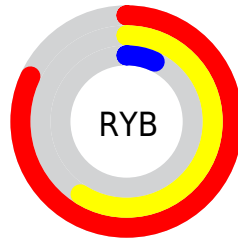
# Distribution



Red (82%)

Green (38%)

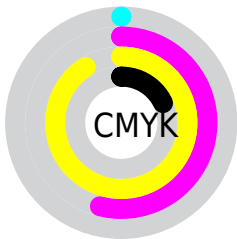
Blue (7%)



Red (82%)

Yellow (59%)

Blue (7%)

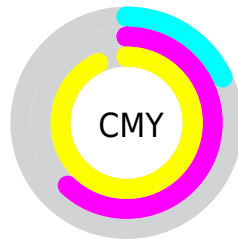


Cyan (0%)

Magenta (54%)

Yellow (91%)

Black (18%)



Cyan (18%)

Magenta (62%)

Yellow (93%)

# Brightness & Saturation Gradients

These gradients show how the Hex color D06012 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 D06012 by changing the saturation by 10% instead.



 D06012

 D06012

FFFFFF

 B14600

 FF9549

 922D00

 FFB063

 741100

 FFCC7D

 560000

 FFE998

 3A0000

 FFFFB3

 1B0001

 FFFFCE

 000000

 FFFFEC

 D06012

 D06012

 D05500

 D06C27

 D0793C

 D08550

 D09165

 D09D7A

 D0AA8F

 D0B6A4

 D0C2B8

 D0CECD

# Harmonies

## Analogous

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



EA4150



D06012



A37B00

# Triad

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



D06012



009B75



6675F1

# Complementary

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



D06012



1282D0

# 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.



008BFD



D06012



009CB4

# Square

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



D06012



009734



0097E6



C054C8

# Rectangle

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



D06012



7E8800



0097E6



1C7DF9



# Sweetspot

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



D06012



FFD6BA



D01284



806757



000000



808080



# Same Dimension

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



D06012



FF6900



D0BD12



69625E



A84500



291100



# Inverse Universe

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



1282D0



0096FF



1225D0



5E6469



0063A8



001829



# Previews

## White Background



This preview shows how the Hex color D06012 looks on a white background.

## Color Contrast Check

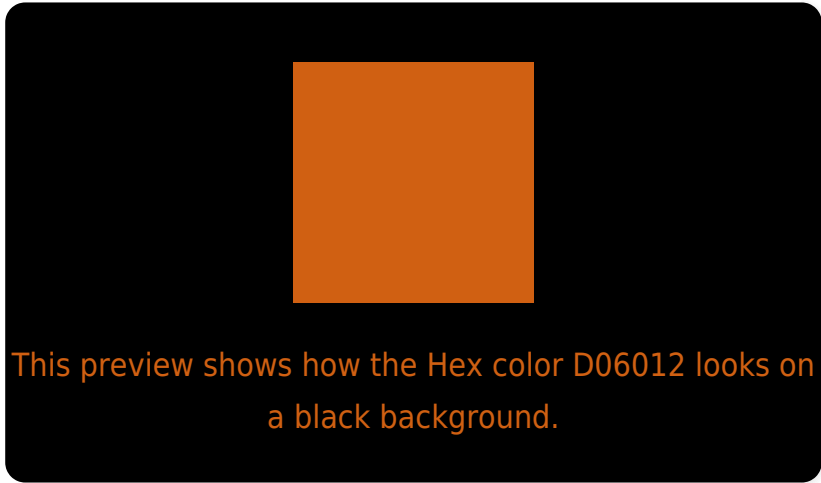
Large Text (above 18pt) WCAG AA ✓ Pass

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 D06012 Background



This preview shows how black text looks on a background with the Hex color D06012.



This preview shows how white text looks on a background with the Hex color D06012.

# 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**  
D06012

**Protanopia**  
91821B

**Deuteranopia**  
A37B00



**Tritanopia**  
D3595F

# Trichromacy



**Original Color**  
D06012

**Protanomaly**  
A87618

**Deuteranomaly**  
B37107

**Tritanomaly**  
D25C43

# Monochromacy



**Original Color**  
D06012

**Achromatopsia**  
797979

**Achromatomaly**  
997054

# CSS Examples

## Text

The CSS property to change the color of the text to Hex D06012 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 #D06012 looks like.

```
.text, #text, p{  
    color:#D06012  
}
```

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 #D06012 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #D06012
}
```

## Border

The CSS property to change the border of an element to Hex D06012 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
#D06012 }
```

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

```
.border{ border-color:#D06012 }
```

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

Here you see how a box with a 4 pixel #D06012 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #D06012; -webkit-box-shadow:4px 4px  
4px 4px #D06012; box-shadow:4px 4px 4px  
4px #D06012 }
```

# Background

The CSS property to change the background color of an element to Hex D06012 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#D06012 }
```

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

```
.background{ background-color:#D06012 }
```

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