

# Converting Colors

Hex(D6002D)

Have a look what the booklet for  
Hex(D6002D) contains.

<b>Hex(D6002D)</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(D6002D)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6002D
RGB	214, 0, 45
RGB Percent	84%, 0%, 18%
CMY	0.1608, 1.0000, 0.8235
CMYK	0.00, 1.00, 0.79, 0.16
HSL	347°, 100%, 42%
HSV	347°, 100%, 84%
XYZ	28.2052, 14.4856, 3.7920
YIQ	69.1160, 113.0990, 59.3630

# Conversions

## Conversions Part 2

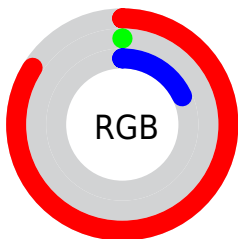
Format	Color
<a href="#">RYB</a>	<a href="#">214, 0, 45</a>
Decimal	<a href="#">14024749</a>
CIELab	<a href="#">44.92, 70.91, 39.72</a>
CIELCh	<a href="#">45, 81.279, 29.257</a>
Yxy	<a href="#">14.4856, 0.6068, 0.3116</a>
Android (android.graphics.Color)	<a href="#">4292214829 (0xFFD6002D)</a>
YUV	<a href="#">69.1160, -11.8892, 127.0633</a>
Hunter-Lab	<a href="#">38.0600, 65.6766, 20.7347</a>

# Details

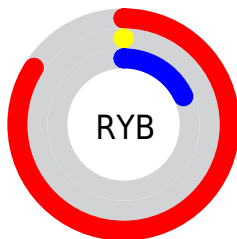
The Hex color **D6002D** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **00D6A9**, and the grayscale version is **454545**.

A 20% lighter version of the original color is **FF585B**, and **960000** is the 20% darker color. If you saturate the color by 10%, you get **D6002D**, and if you desaturate by 10%, it is **D6153E**.

# Distribution



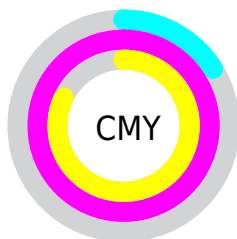
- Red (84%)
- Green (0%)
- Blue (18%)



- Red (84%)
- Yellow (0%)
- Blue (18%)



- Cyan (0%)
- Magenta (100%)
- Yellow (79%)
- Black (16%)



- Cyan (16%)
- Magenta (100%)
- Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the Hex color D6002D 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 D6002D by changing the saturation by 10% instead.



 D6002D

 D6002D

FFFFFFF

 B60018

 FF585B

 960000

 FF7674

 760000

 FF948E

 570002

 FFB1A8

 390002

 FFCFC3

 0F0000

 FFEDDF

 000000

 FFFFFC

 D6002D

 D6153E

 D62B4F

 D64060

 D65671

 D66B82

 D68092

 D696A3

 D6ABB4

 D6C1C5

# Harmonies

## Analogous

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



DA006F



D6002D



B64800

# Triad

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



D6002D



00811A



0075F4

# Complementary

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



D6002D



00D6A9

# 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.



0082E0



D6002D



008567

# Square

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



D6002D



3E7900



0086AB



5459E3

# Rectangle

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



D6002D



965F00



0086AB



007AF2



# Sweetspot

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



D6002D



FFB3C3



A800D6



80525B



000000



808080



# Same Dimension

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



D6002D



FF0036



D63D00



6B6063



AB0024



2B0009



# Inverse Universe

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



D6002D



FF0036



0099D6



6B6063



AB0024



2B0009



# Previews

## White Background



This preview shows how the Hex color D6002D looks on a white background.

## Color Contrast Check

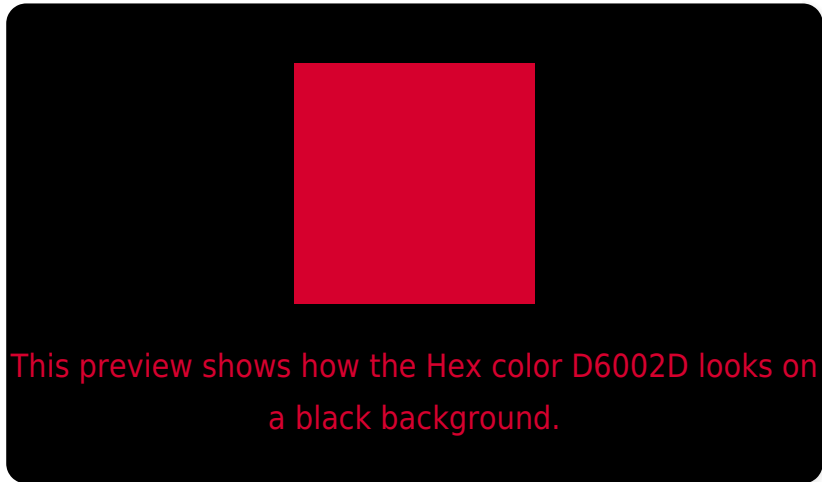
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex D6002D Background



This preview shows how black text looks on a background with the Hex color D6002D.



This preview shows how white text looks on a background with the Hex color D6002D.

# 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**  
D6002D

**Protanopia**  
766C45

**Deuteranopia**  
88671E



**Tritanopia**  
D51305

# Trichromacy



**Original Color**  
D6002D



**Protanomaly**  
99453C



**Deuteranomaly**  
A44223



**Tritanomaly**  
D50C14

# Monochromacy



**Original Color**  
D6002D



**Achromatopsia**  
454545



**Achromatomaly**  
7A2C3C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex D6002D 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 #D6002D looks like.

```
.text, #text, p{  
    color:#D6002D  
}
```

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 #D6002D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #D6002D
}
```

## Border

The CSS property to change the border of an element to Hex D6002D 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".

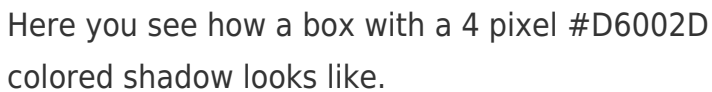
```
.border, #border, table{ border:4px solid
#D6002D }
```

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

```
.border{ border-color:#D6002D }
```

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

Here you see how a box with a 4 pixel #D6002D colored shadow looks like.

A rectangular box with a thick red border and a red drop shadow. The box is white and contains the text 'Here you see how a box with a 4 pixel #D6002D colored shadow looks like.' The shadow is a darker red and is positioned below and to the right of the box.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #D6002D; -webkit-box-shadow:4px 4px  
4px 4px #D6002D; box-shadow:4px 4px 4px  
4px #D6002D }
```

# Background

The CSS property to change the background color of an element to Hex D6002D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#D6002D }
```

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

```
.background{ background-color:#D6002D }
```

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**