

# Converting Colors

Hex(DE0016)

Have a look what the booklet for  
Hex(DE0016) contains.

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# Color

**Hex(DE0016)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DE0016
RGB	222, 0, 22
RGB Percent	87%, 0%, 9%
CMY	0.1294, 1.0000, 0.9137
CMYK	0.00, 1.00, 0.90, 0.13
HSL	354°, 100%, 44%
HSV	354°, 100%, 87%
XYZ	30.2690, 15.5875, 2.1724
YIQ	68.8860, 125.2500, 53.9060

# Conversions

## Conversions Part 2

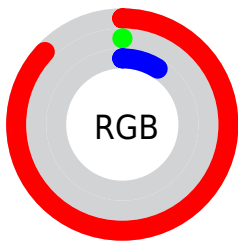
<b>Format</b>	<b>Color</b>
<b>RYB</b>	222, 0, 22
Decimal	14549014
CIELab	46.43, 72.36, 53.39
CIElCh	46, 89.924, 36.423
Yxy	15.5875, 0.6302, 0.3245
Android (android.graphics.Color)	4292739094 (0xFFDE0016)
YUV	68.8860, -23.1148, 134.2810
Hunter-Lab	39.4810, 67.7592, 24.3744

# Details

The Hex color **DE0016** is a dark color, and the websafe version is hex **CC0000**. The color can be described as dark washed red. A complement of this color would be **00DEC8**, and the grayscale version is **454545**.

A 20% lighter version of the original color is **FF5946**, and **9C0000** is the 20% darker color. If you saturate the color by 10%, you get **DE0016**, and if you desaturate by 10%, it is **DE162A**.

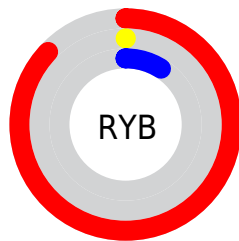
# Distribution



Red (87%)

Green (0%)

Blue (9%)



Red (87%)

Yellow (0%)

Blue (9%)

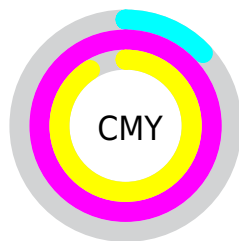


Cyan (0%)

Magenta (100%)

Yellow (90%)

Black (13%)



Cyan (13%)

Magenta (100%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Hex color DE0016 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 DE0016 by changing the saturation by 10% instead.



 DE0016

 DE0016

FFFFFF

 BD0000

 FF5946

 9C0000

 FF785E

 7C0000

 FF9577

 5C0002

 FFB392

 3F0003

 FFD1AD

 1B0001

 FFEFC8

 000000

 FFFF E5

 DE0016

 DE162A

 DE2C3E

 DE4352

 DE5966

 DE6F7A

 DE858E

 DE9BA2

 DEB2B6

 DEC8CA

# Harmonies

## Analogous

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



EB0062



DE0016



B55100

# Triad

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



DE0016



00882B



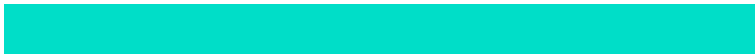
0074FF

# Complementary

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



DE0016



00DEC8

# 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.



0086FB



DE0016



008B7D

# Square

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



DE0016



108100



008BC7



794FEA

# Rectangle

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



DE0016



8E6800



008BC7



007CFF



# Sweetspot

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



DE0016



FFB3BA



C800DE



805256



000000



808080



# Same Dimension

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



DE0016



FF0019



DE5900



706566



B00011



300005



# Inverse Universe

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



DE0016



FF0019



0085DE



706566



B00011



300005



# Previews

## White Background



This preview shows how the Hex color DE0016 looks on a white background.

## Color Contrast Check

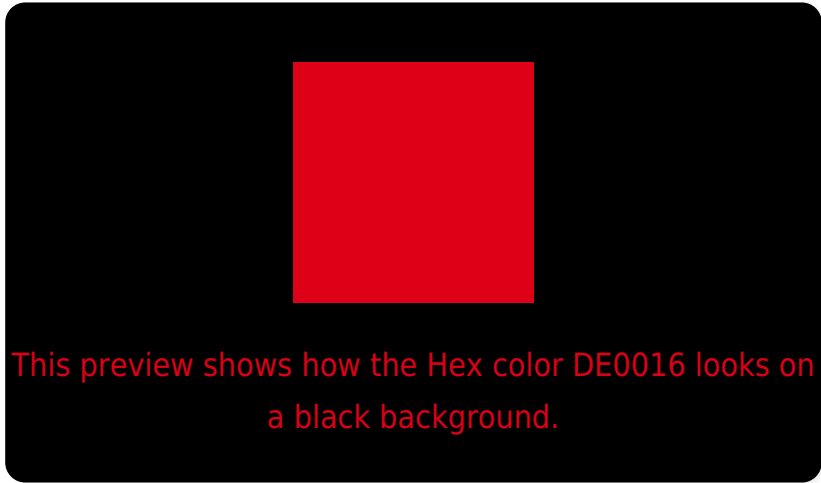
Large Text (above 18pt) WCAG AA ✓ Pass

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 DE0016 Background



This preview shows how black text looks on a background with the Hex color DE0016.



This preview shows how white text looks on a background with the Hex color DE0016.

# 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**  
DE0016

**Protanopia**  
7D7029

**Deuteranopia**  
8D6A00

# Trichromacy



**Original Color**  
DE0016

**Protanomaly**  
A04722

**Deuteranomaly**  
AA4308

# Monochromacy



**Original Color**  
DE0016

**Achromatopsia**  
454545

**Achromatomaly**  
7D2C34

# CSS Examples

## Text

The CSS property to change the color of the text to Hex DE0016 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 #DE0016 looks like.

```
.text, #text, p{  
    color:#DE0016  
}
```

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 #DE0016 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #DE0016
}
```

## Border

The CSS property to change the border of an element to Hex DE0016 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".

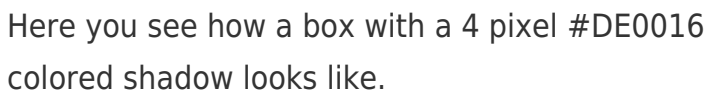
```
.border, #border, table{ border:4px solid
#DE0016 }
```

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

```
.border{ border-color:#DE0016 }
```

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

Here you see how a box with a 4 pixel #DE0016 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #DE0016; -webkit-box-shadow:4px 4px  
4px 4px #DE0016; box-shadow:4px 4px 4px  
4px #DE0016 }
```

# Background

The CSS property to change the background color of an element to Hex DE0016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#DE0016 }
```

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

```
.background{ background-color:#DE0016 }
```

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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