

# Converting Colors

Hex(DE0017)

Have a look what the booklet for  
Hex(DE0017) contains.

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# Color

**Hex(DE0017)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DE0017
RGB	222, 0, 23
RGB Percent	87%, 0%, 9%
CMY	0.1294, 1.0000, 0.9098
CMYK	0.00, 1.00, 0.90, 0.13
HSL	354°, 100%, 44%
HSV	354°, 100%, 87%
XYZ	30.2789, 15.5915, 2.2242
YIQ	69.0000, 124.9290, 54.2170

# Conversions

## Conversions Part 2

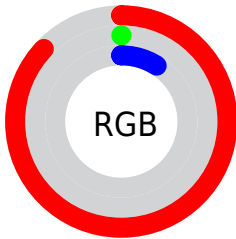
Format	Color
<a href="#">RYB</a>	<a href="#">222, 0, 23</a>
Decimal	<a href="#">14549015</a>
CIELab	<a href="#">46.43, 72.37, 52.97</a>
CIELCh	<a href="#">46, 89.687, 36.202</a>
Yxy	<a href="#">15.5915, 0.6296, 0.3242</a>
Android (android.graphics.Color)	<a href="#">4292739095</a> ( <a href="#">0xFFDE0017</a> )
YUV	<a href="#">69.0000, -22.6780, 134.1810</a>
Hunter-Lab	<a href="#">39.4860, 67.7777, 24.3005</a>

# Details

The Hex color **DE0017** 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 **00DEC7**, 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 **DE0017**, and if you desaturate by 10%, it is **DE162B**.

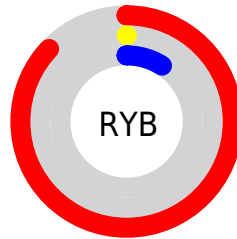
# Distribution



Red (87%)

Green (0%)

Blue (9%)



Red (87%)

Yellow (0%)

Blue (9%)

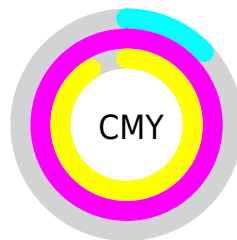


Cyan (0%)

Magenta (100%)

Yellow (90%)

Black (13%)



Cyan (13%)

Magenta (100%)

Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Hex color DE0017 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 DE0017 by changing the saturation by 10% instead.



 DE0017

 DE0017

FFFFFF

 BD0000

 FF5946

 9C0000

 FF785F

 7C0000

 FF9578

 5C0002

 FFB393

 3F0003

 FFD1AD

 1B0001

 FFEFC9

 000000

 FFFF E5

 DE0017

 DE162B

 DE2C3F

 DE4353

 DE5967

 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



DE0017



B55100

# Triad

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



DE0017



00882A



0074FF

# Complementary

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



DE0017



00DEC7

# 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.



0086FA



DE0017



008B7C

# Square

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



DE0017



138100



008BC6



7850EA

# Rectangle

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



DE0017



8F6800



008BC6



007CFF



# Sweetspot

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



DE0017



FFB3BA



C400DE



805256



000000



808080



# Same Dimension

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



DE0017



FF001A



DE5500



706566



B00012



300005



# Inverse Universe

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



DE0017



FF001A



0089DE



706566



B00012



300005



# Previews

## White Background



This preview shows how the Hex color DE0017 looks on a white background.

## Color Contrast Check

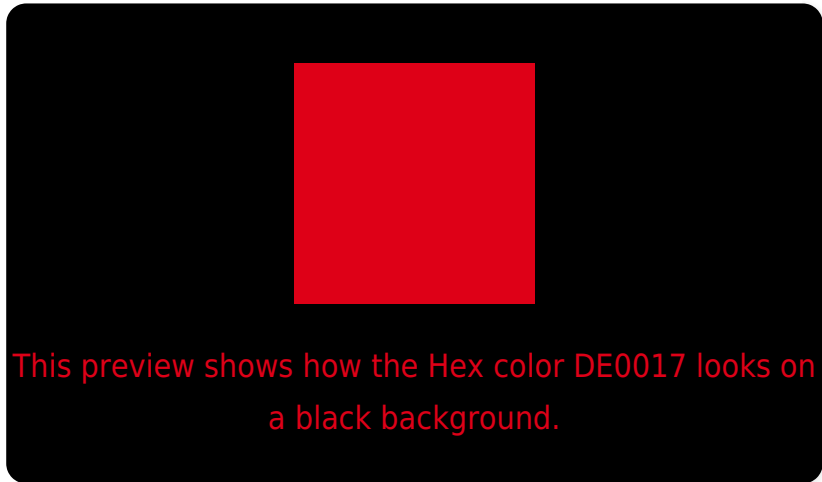
Large Text (above 18pt) WCAG AA ✓ Pass

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 DE0017 Background



This preview shows how black text looks on a background with the Hex color DE0017.



This preview shows how white text looks on a background with the Hex color DE0017.

# 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**  
DE0017

**Protanopia**  
7D702B

**Deuteranopia**  
8D6A00

# Trichromacy



**Original Color**  
DE0017



**Protanomaly**  
A04724

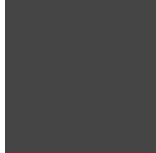


**Deuteranomaly**  
AA4308

# Monochromacy



**Original Color**  
DE0017



**Achromatopsia**  
454545



**Achromatomaly**  
7D2C34

# CSS Examples

## Text

The CSS property to change the color of the text to Hex DE0017 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 #DE0017 looks like.

```
.text, #text, p{  
    color:#DE0017  
}
```

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 #DE0017 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #DE0017
}
```

## Border

The CSS property to change the border of an element to Hex DE0017 is called "border". The border property can be set on classes, ids or directly on the HTML element.

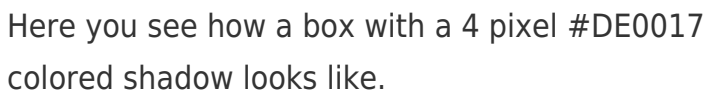
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#DE0017 }
```

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

```
.border{ border-color:#DE0017 }
```

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



Here you see how a box with a 4 pixel #DE0017 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #DE0017; -webkit-box-shadow:4px 4px  
4px 4px #DE0017; box-shadow:4px 4px 4px  
4px #DE0017 }
```

# Background

The CSS property to change the background color of an element to Hex DE0017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#DE0017 }
```

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

```
.background{ background-color:#DE0017 }
```

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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