

# Converting Colors

Hex(DE0052)

Have a look what the booklet for  
Hex(DE0052) contains.

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**Color**

**Hex(DE0052)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DE0052
RGB	222, 0, 82
RGB Percent	87%, 0%, 32%
CMY	0.1294, 1.0000, 0.6784
CMYK	0.00, 1.00, 0.63, 0.13
HSL	338°, 100%, 44%
HSV	338°, 100%, 87%
XYZ	31.6472, 16.1388, 9.4297
YIQ	75.7260, 105.9900, 72.5660

# Conversions

## Conversions Part 2

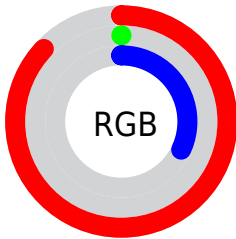
<b>Format</b>	<b>Color</b>
<b>RYB</b>	222, 0, 82
Decimal	14549074
CIELab	47.16, 74.33, 20.40
CIElCh	47, 77.078, 15.350
Yxy	16.1388, 0.5531, 0.2821
Android (android.graphics.Color)	4292739154 (0xFFDE0052)
YUV	75.7260, 3.0931, 128.2823
Hunter-Lab	40.1731, 70.3141, 14.2042

# Details

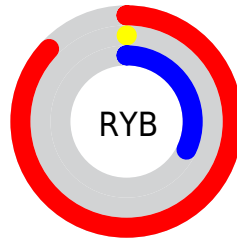
The Hex color **DE0052** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **00DE8C**, and the grayscale version is **4C4C4C**.

A 20% lighter version of the original color is **FF5B83**, and **9F0026** is the 20% darker color. If you saturate the color by 10%, you get **DE0052**, and if you desaturate by 10%, it is **DE1660**.

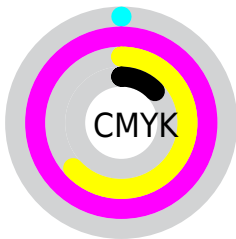
# Distribution



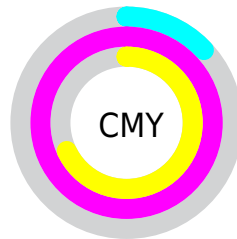
- Red (87%)
- Green (0%)
- Blue (32%)



- Red (87%)
- Yellow (0%)
- Blue (32%)



- Cyan (0%)
- Magenta (100%)
- Yellow (63%)
- Black (13%)



- Cyan (13%)
- Magenta (100%)
- Yellow (68%)

# Brightness & Saturation Gradients

These gradients show how the Hex color DE0052 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 DE0052 by changing the saturation by 10% instead.



 DE0052

 DE0052

FFFFFF

 BE003B

 FF5B83

 9F0026

 FF7A9D

 7F0013

 FF97B8

 600002

 FFB5D3

 430003

 FFD3EF

 210001

 FFF1FF

 000000

 DE0052

 DE1660

 DE2C6E

 DE437C

 DE598A

 DE6F98

 DE85A6

 DE9BB4

 DEB2C2

 DEC8D0

# Harmonies

## Analogous

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



D11592



DE0052



CB3E0E

# Triad

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



DE0052



008300



0081EF

# Complementary

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



DE0052



00DE8C

# 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.



0089CC



DE0052



00894C

# Square

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



DE0052



6A7700



008B91



006DEF

# Rectangle

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



DE0052



B25700



008B91



0085E7



# Sweetspot

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



DE0052



FFB3CF



8900DE



805263



000000



808080



# Same Dimension

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



DE0052



FF005E



DE1A00



706569



B00041



300012



# Inverse Universe

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



DE0052



FF005E



00C4DE



706569



B00041



300012



# Previews

## White Background



This preview shows how the Hex color DE0052 looks on a white background.

## Color Contrast Check

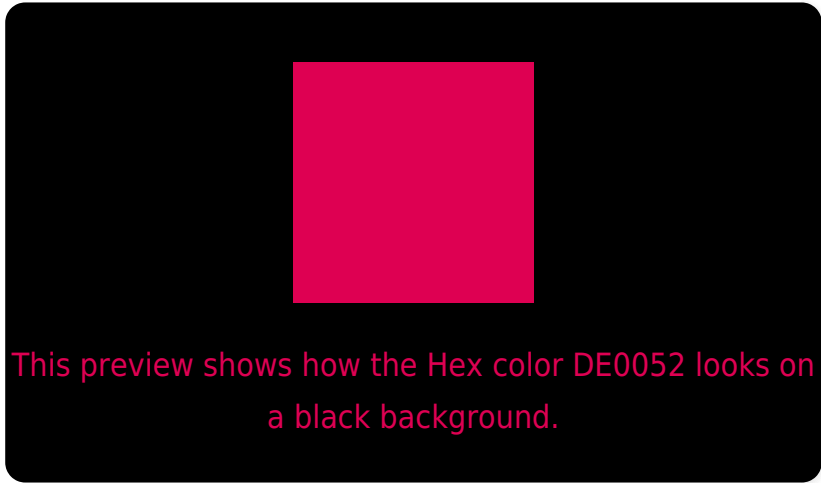
Large Text (above 18pt) WCAG AA ✓ Pass

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 DE0052 Background



This preview shows how black text looks on a background with the Hex color DE0052.



This preview shows how white text looks on a background with the Hex color DE0052.

# 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**  
DE0052

**Protanopia**  
727178

**Deuteranopia**  
896D48



# Trichromacy



**Original Color**  
DE0052



**Protanomaly**  
99486A



**Deuteranomaly**  
A8454C



**Tritanomaly**  
DD1531

# Monochromacy



**Original Color**  
DE0052



**Achromatopsia**  
4C4C4C



**Achromatomaly**  
81304E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex DE0052 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 #DE0052 looks like.

```
.text, #text, p{  
    color:#DE0052  
}
```

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 #DE0052 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #DE0052
}
```

## Border

The CSS property to change the border of an element to Hex DE0052 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
#DE0052 }
```

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

```
.border{ border-color:#DE0052 }
```

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

Here you see how a box with a 4 pixel #DE0052 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #DE0052; -webkit-box-shadow:4px 4px  
4px 4px #DE0052; box-shadow:4px 4px 4px  
4px #DE0052 }
```

# Background

The CSS property to change the background color of an element to Hex DE0052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#DE0052 }
```

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

```
.background{ background-color:#DE0052 }
```

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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