

# Converting Colors

Hex(D90049)

Have a look what the booklet for  
Hex(D90049) contains.

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# Color

**Hex(D90049)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D90049
RGB	217, 0, 73
RGB Percent	85%, 0%, 29%
CMY	0.1490, 1.0000, 0.7137
CMYK	0.00, 1.00, 0.66, 0.15
HSL	340°, 100%, 43%
HSV	340°, 100%, 85%
XYZ	29.8179, 15.2328, 7.6720
YIQ	73.2050, 105.8990, 68.7070

# Conversions

## Conversions Part 2

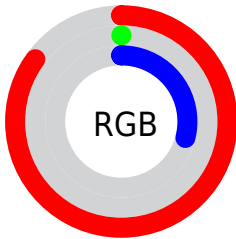
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	217, 0, 73
Decimal	14221385
CIE Lab	45.95, 72.71, 24.21
CIE LCh	46, 76.634, 18.413
Yxy	15.2328, 0.5656, 0.2889
Android (android.graphics.Color)	4292411465 (0xFFD90049)
YUV	73.2050, -0.1011, 126.1082
Hunter-Lab	39.0292, 68.0711, 15.6658

# Details

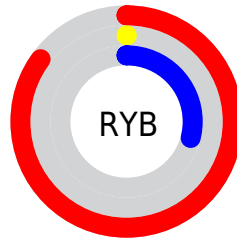
The Hex color **D90049** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **00D990**, and the grayscale version is **494949**.

A 20% lighter version of the original color is **FF5A79**, and **9A001E** is the 20% darker color. If you saturate the color by 10%, you get **D90049**, and if you desaturate by 10%, it is **D91657**.

# Distribution



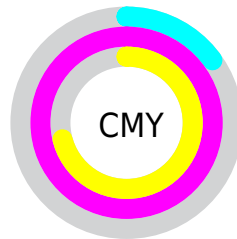
- Red (85%)
- Green (0%)
- Blue (29%)



- Red (85%)
- Yellow (0%)
- Blue (29%)



- Cyan (0%)
- Magenta (100%)
- Yellow (66%)
- Black (15%)



- Cyan (15%)
- Magenta (100%)
- Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the Hex color D90049 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 D90049 by changing the saturation by 10% instead.



 D90049

 D90049

FFFFFF

 B90033

 FF5A79

 9A001E

 FF7893

 7A0007

 FF96AD

 5B0002

 FFB3C9

 3D0003

 FFD1E5

 190001

 FFEFFF

 000000

 D90049

 D91657

 D92B66

 D94174

 D95783

 D96D91

 D9829F

 D998AE

 D9AEBC

 D9C3CB

# Harmonies

## Analogous

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



D00489



D90049



C43F00

# Triad

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



D90049



008100



007CEC

# Complementary

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



D90049



00D990

# 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.



0085CD



D90049



008651

# Square

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



D90049



607600



008894



0067E9

# Rectangle

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



D90049



A95700



008894



0080E5



# Sweetspot

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



D90049



FFB3CC



8D00D9



805261



000000



808080



# Same Dimension

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



D90049



FF0056



D92100



6E6366



AD003A



2E000F



# Inverse Universe

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



D90049



FF0056



00B8D9



6E6366



AD003A



2E000F



# Previews

## White Background



This preview shows how the Hex color D90049 looks on a white background.

## Color Contrast Check

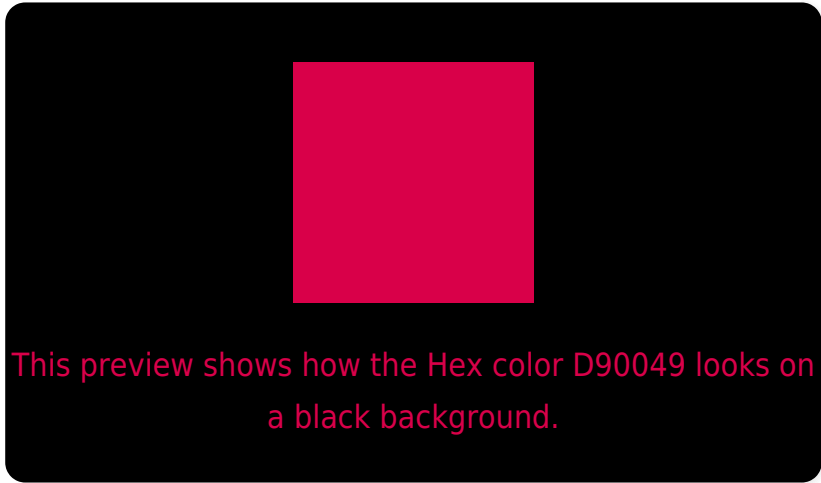
Large Text (above 18pt) WCAG AA ✓ Pass

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 D90049 Background



This preview shows how black text looks on a background with the Hex color D90049.



This preview shows how white text looks on a background with the Hex color D90049.

# 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**  
D90049

**Protanopia**  
726E6B

**Deuteranopia**  
876A3F



**Tritanopia**  
D81D1A

# Trichromacy



**Original Color**  
D90049



**Protanomaly**  
97465F



**Deuteranomaly**  
A54343

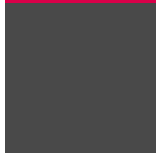


**Tritanomaly**  
D8122B

# Monochromacy



**Original Color**  
D90049



**Achromatopsia**  
494949



**Achromatomaly**  
7D2E49

# CSS Examples

## Text

The CSS property to change the color of the text to Hex D90049 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 #D90049 looks like.

```
.text, #text, p{  
    color:#D90049  
}
```

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 #D90049 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #D90049
}
```

## Border

The CSS property to change the border of an element to Hex D90049 is called "border". The border property can be set on classes, ids or directly on the HTML element.

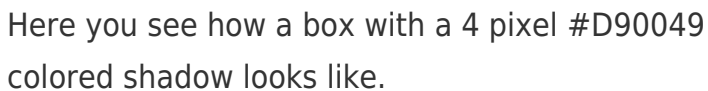
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#D90049 }
```

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

```
.border{ border-color:#D90049 }
```

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



Here you see how a box with a 4 pixel #D90049 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #D90049; -webkit-box-shadow:4px 4px  
4px 4px #D90049; box-shadow:4px 4px 4px  
4px #D90049 }
```

# Background

The CSS property to change the background color of an element to Hex D90049 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#D90049 }
```

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

```
.background{ background-color:#D90049 }
```

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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