

# Converting Colors

Hex(D50057)

Have a look what the booklet for  
Hex(D50057) contains.

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**Color**

**Hex(D50057)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D50057
RGB	213, 0, 87
RGB Percent	84%, 0%, 34%
CMY	0.1647, 1.0000, 0.6588
CMYK	0.00, 1.00, 0.59, 0.16
HSL	335°, 100%, 42%
HSV	335°, 100%, 84%
XYZ	29.1609, 14.8343, 10.3432
YIQ	73.6050, 99.0210, 72.2130

# Conversions

## Conversions Part 2

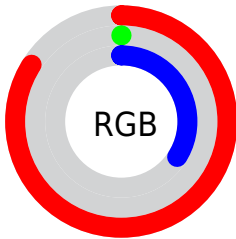
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	213, 0, 87
Decimal	13959255
CIE <sub>Lab</sub>	45.41, 72.55, 14.62
CIE <sub>LCh</sub>	45, 74.004, 11.392
Yxy	14.8343, 0.5367, 0.2730
Android (android.graphics.Color)	4292149335 (0xFFD50057)
YUV	73.6050, 6.6037, 122.2494
Hunter-Lab	38.5153, 67.7451, 11.0385

# Details

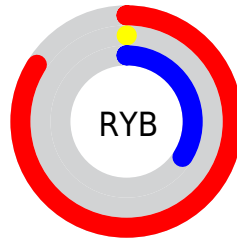
The Hex color **D50057** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed red. A complement of this color would be **00D57E**, and the grayscale version is **494949**.

A 20% lighter version of the original color is **FF5988**, and **97002B** is the 20% darker color. If you saturate the color by 10%, you get **D50057**, and if you desaturate by 10%, it is **D51564**.

# Distribution



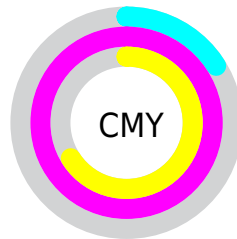
- Red (84%)
- Green (0%)
- Blue (34%)



- Red (84%)
- Yellow (0%)
- Blue (34%)



- Cyan (0%)
- Magenta (100%)
- Yellow (59%)
- Black (16%)



- Cyan (16%)
- Magenta (100%)
- Yellow (66%)

# Brightness & Saturation Gradients

These gradients show how the Hex color D50057 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 D50057 by changing the saturation by 10% instead.



 D50057

 D50057

FFFFFF

 B60040

 FF5988

 97002B

 FF78A2

 780017

 FF95BD

 5A0002

 FFB3D9

 3B0003

 FFD0F6

 150000

 FFEEFF

 000000

 D50057

 D51564

 D52B70

 D5407D

 D55589

 D56B96

 D580A3

 D595AF

 D5AABC

 D5C0C8

# Harmonies

## Analogous

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



C41F94



D50057



C7361A

# Triad

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



D50057



1B7D00



007DE2

# Complementary

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



D50057



00D57E

# 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.



0084BD



D50057



008341

# Square

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



D50057



6E7000



008582



006CE7

# Rectangle

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



D50057



B05000



008582



0080D9



# Sweetspot

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



D50057



FFB3D2



7C00D5



805264



000000



808080



# Same Dimension

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



D50057



FF0068



D51200



6B6065



AB0046



2B0012



# Inverse Universe

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



D50057



FF0068



00C3D5



6B6065



AB0046



2B0012



# Previews

## White Background



This preview shows how the Hex color D50057 looks on a white background.

## Color Contrast Check

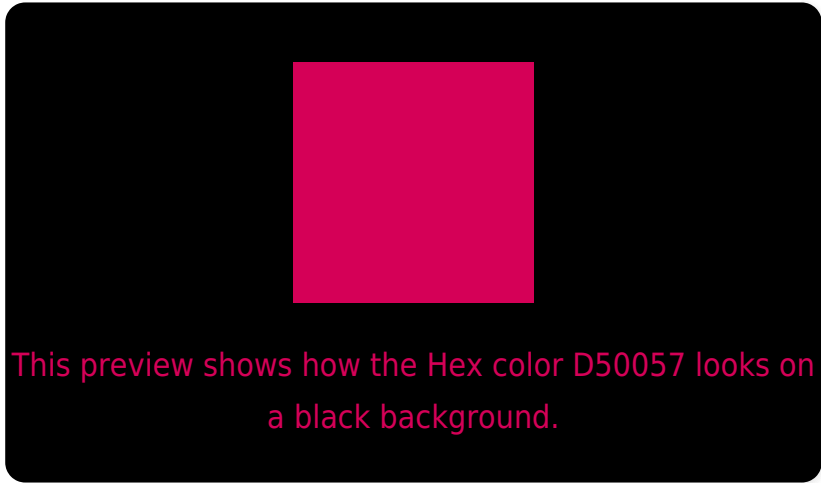
Large Text (above 18pt) WCAG AA ✓ Pass

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 D50057 Background



This preview shows how black text looks on a background with the Hex color D50057.

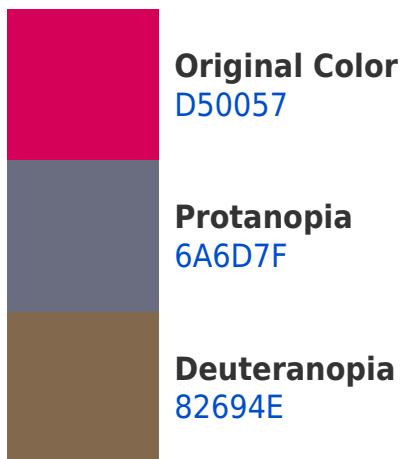


This preview shows how white text looks on a background with the Hex color D50057.

# 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





# Trichromacy



**Original Color**  
D50057



**Protanomaly**  
914570



**Deuteranomaly**  
A04351

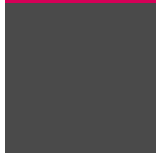


**Tritanomaly**  
D41635

# Monochromacy



**Original Color**  
D50057



**Achromatopsia**  
4A4A4A



**Achromatomaly**  
7D2F4F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex D50057 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 #D50057 looks like.

```
.text, #text, p{  
    color:#D50057  
}
```

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 #D50057 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #D50057
}
```

## Border

The CSS property to change the border of an element to Hex D50057 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
#D50057 }
```

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

```
.border{ border-color:#D50057 }
```

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

Here you see how a box with a 4 pixel #D50057 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #D50057; -webkit-box-shadow:4px 4px  
4px 4px #D50057; box-shadow:4px 4px 4px  
4px #D50057 }
```

# Background

The CSS property to change the background color of an element to Hex D50057 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#D50057 }
```

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

```
.background{ background-color:#D50057 }
```

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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