

# Converting Colors

Hex(000078)

Have a look what the booklet for  
Hex(000078) contains.

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# Color

**Hex(000078)**

# Conversions

## Conversions Part 1

Format	Color
Hex	000078
RGB	0, 0, 120
RGB Percent	0%, 0%, 47%
CMY	1.0000, 1.0000, 0.5294
CMYK	1.00, 1.00, 0.00, 0.53
HSL	240°, 100%, 24%
HSV	240°, 100%, 47%
XYZ	3.3902, 1.3561, 17.8524
YIQ	13.6800, -38.5200, 37.3200

# Conversions

## Conversions Part 2

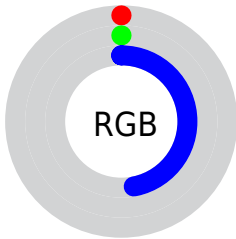
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 0, 120
Decimal	120
CIELab	11.66, 45.35, -61.77
CIELCh	12, 76.634, 306.287
Yxy	1.3561, 0.1500, 0.0600
Android (android.graphics.Color)	4278190200 (0xFF000078)
YUV	13.6800, 52.4158, -11.9974
Hunter-Lab	11.6450, 31.5871, -82.7428

# Details

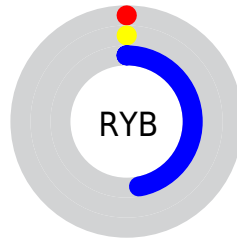
The Hex color **000078** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **787800**, and the grayscale version is **0D0D0D**.

A 20% lighter version of the original color is **5031AE**, and **000146** is the 20% darker color. If you saturate the color by 10%, you get **000078**, and if you desaturate by 10%, it is **0C0C78**.

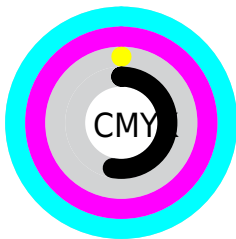
# Distribution



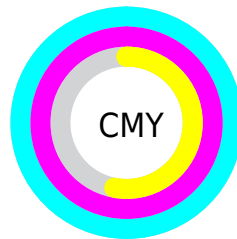
- Red (0%)
- Green (0%)
- Blue (47%)



- Red (0%)
- Yellow (0%)
- Blue (47%)



- Cyan (100%)
- Magenta (100%)
- Yellow (0%)
- Black (53%)



- Cyan (100%)
- Magenta (100%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 000078 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 000078 by changing the saturation by 10% instead.



000078

000078

FFEAFF

00005F

5031AE

000146

6D49CA

00042E

8A62E6

000119

A67CFF

000000

C496FF

E1B1FF

FFCDDF

000078

■ 0C0C78

■ 181878

■ 242478

■ 303078

■ 3C3C78

■ 484878

■ 545478

■ 606078

■ 6C6C78

# Harmonies

## Analogous

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



00288E



000078



5F004B

# Triad

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



000078



470200



002D29

# Complementary

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



000078



787800

# 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.



002C00



000078



1E2100

# Square

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



000078



630000



002B00



00305E

# Rectangle

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



000078



6D0028



002B00



002D17



# Sweetspot

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



000078



6D6D9C



007878



33334F



CFCFCF



4F4F4F



# Same Dimension

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



000078



00009C



3C0078



37373D



00007D



0000FC



# Inverse Universe

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



780078



9C009C



3C7800



3D373D



7D007D

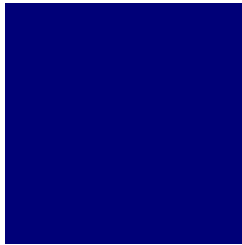


FC00FC



# Previews

## White Background



This preview shows how the Hex color 000078 looks on a white background.

## Color Contrast Check

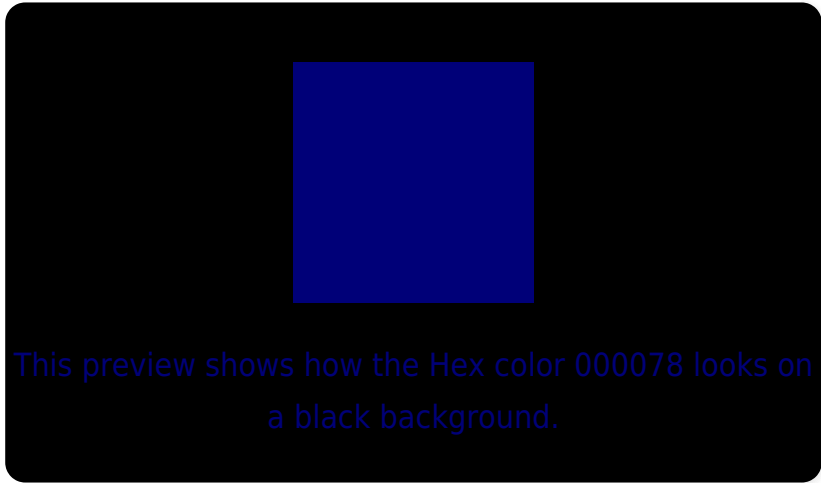
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

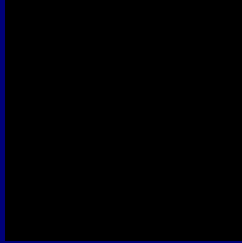
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 000078 Background



This preview shows how black text looks on a background with the Hex color 000078.

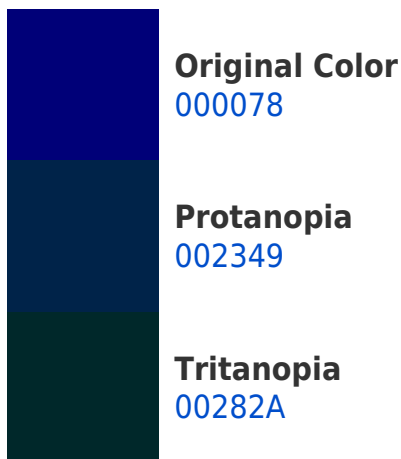


This preview shows how white text looks on a background with the Hex color 000078.

# 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**  
000078

**Protanomaly**  
00165A

**Tritanomaly**  
001946

# Monochromacy



**Original Color**  
000078

**Achromatopsia**  
0E0E0E

**Achromatomaly**  
090935

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 000078 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 #000078 looks like.

```
.text, #text, p{  
    color:#000078  
}
```

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 #000078 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #000078
}
```

## Border

The CSS property to change the border of an element to Hex 000078 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
#000078 }
```

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

```
.border{ border-color:#000078 }
```

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

Here you see how a box with a 4 pixel #000078 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #000078; -webkit-box-shadow:4px 4px  
4px 4px #000078; box-shadow:4px 4px 4px  
4px #000078 }
```

# Background

The CSS property to change the background color of an element to Hex 000078 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#000078 }
```

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

```
.background{ background-color:#000078 }
```

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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