

# Converting Colors

Hex(00177F)

Have a look what the booklet for  
Hex(00177F) contains.

<b>Hex(00177F)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(00177F)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00177F
RGB	0, 23, 127
RGB Percent	0%, 9%, 50%
CMY	1.0000, 0.9098, 0.5020
CMYK	1.00, 0.82, 0.00, 0.50
HSL	229°, 100%, 25%
HSV	229°, 100%, 50%
XYZ	4.1372, 2.1451, 20.2747
YIQ	27.9790, -47.0920, 27.4680

# Conversions

## Conversions Part 2

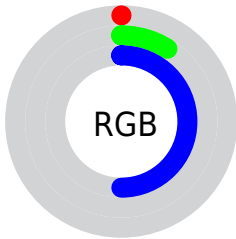
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 19, 127
Decimal	6015
CIELab	16.23, 36.96, -58.64
CIELCh	16, 69.311, 302.222
Yxy	2.1451, 0.1558, 0.0808
Android (android.graphics.Color)	4278196095 (0xFF00177F)
YUV	27.9790, 48.8174, -24.5376
Hunter-Lab	14.6462, 24.7909, -71.8228

# Details

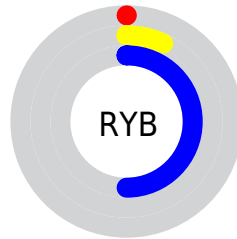
The Hex color **00177F** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **7F6800**, and the grayscale version is **1C1C1C**.

A 20% lighter version of the original color is **5044B5**, and **00004C** is the 20% darker color. If you saturate the color by 10%, you get **00177F**, and if you desaturate by 10%, it is **0D217F**.

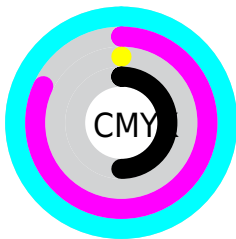
# Distribution



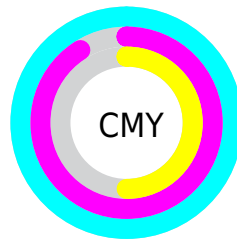
- Red (0%)
- Green (9%)
- Blue (50%)



- Red (0%)
- Yellow (7%)
- Blue (50%)



- Cyan (100%)
- Magenta (82%)
- Yellow (0%)
- Black (50%)



- Cyan (100%)
- Magenta (91%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00177F 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 00177F by changing the saturation by 10% instead.



 00177F

 00177F

 FFFDFF

 000365

 5044B5

 00004C

 6D5CD1

 000535

 8A75EE

 00021E

 A68EFF

 000001

 C4A9FF

 000000

 E1C4FF

 FFE1FF

 00177F

■ 0D217F

■ 192C7F

■ 26367F

■ 33417F

■ 404B7F

■ 4C557F

■ 59607F

■ 666A7F

■ 72757F

# Harmonies

## Analogous

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



00318F



00177F



610058

# Triad

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



00177F



550B00



00392B

# Complementary

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



00177F



7F6800

# 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.



003700



00177F



302800

# Square

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



00177F



6E0000



003200



003A5D

# Rectangle

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



00177F



720037



003200



003919



# Sweetspot

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



00177F



747DA6



007F68



363B54



D4D4D4



545454



# Same Dimension

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



00177F



001EA6



28007F



393B40



001780



000000



# Inverse Universe

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



7F0017



A6001E



577F00



40393B



800017

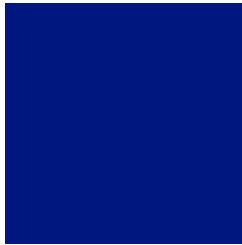


000000



# Previews

## White Background



This preview shows how the Hex color 00177F looks on a white background.

## Color Contrast Check

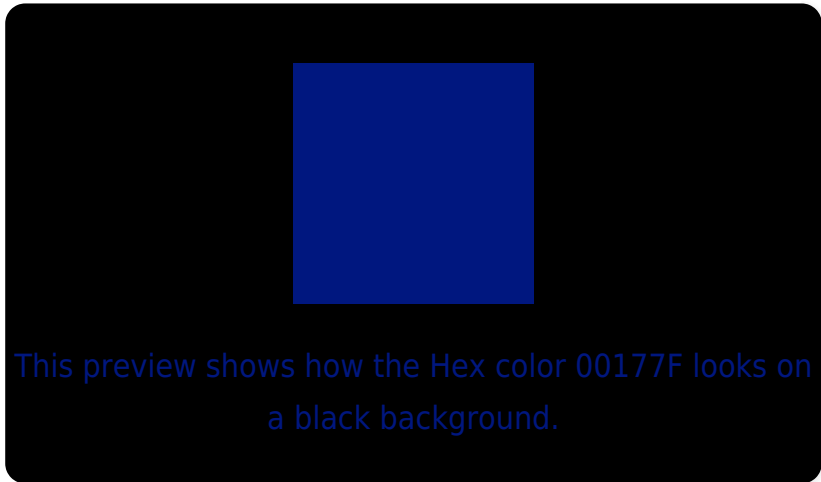
Large Text (above 18pt) WCAG AA ✓ Pass

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 00177F Background



This preview shows how black text looks on a background with the Hex color 00177F.



This preview shows how white text looks on a background with the Hex color 00177F.

# 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**  
00177F

**Protanopia**  
002956

**Deuteranopia**  
002C49



**Tritanopia**  
002F31

# Trichromacy



**Original Color**  
00177F

**Protanomaly**  
002265

**Deuteranomaly**  
00245D

**Tritanomaly**  
00264D

# Monochromacy



**Original Color**  
00177F

**Achromatopsia**  
1C1C1C

**Achromatomaly**  
121A40

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00177F 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 #00177F looks like.

```
.text, #text, p{  
    color:#00177F  
}
```

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 #00177F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00177F
}
```

## Border

The CSS property to change the border of an element to Hex 00177F 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
#00177F }
```

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

```
.border{ border-color:#00177F }
```

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

Here you see how a box with a 4 pixel #00177F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00177F; -webkit-box-shadow:4px 4px  
4px 4px #00177F; box-shadow:4px 4px 4px  
4px #00177F }
```

# Background

The CSS property to change the background color of an element to Hex 00177F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00177F }
```

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

```
.background{ background-color:#00177F }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor