

# Converting Colors

Hex(00027B)

Have a look what the booklet for  
Hex(00027B) contains.

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# Color

**Hex(00027B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00027B
RGB	0, 2, 123
RGB Percent	0%, 1%, 48%
CMY	1.0000, 0.9922, 0.5176
CMYK	1.00, 0.98, 0.00, 0.52
HSL	239°, 100%, 24%
HSV	239°, 100%, 48%
XYZ	3.5969, 1.4735, 18.8337
YIQ	15.1960, -40.0330, 37.2070

# Conversions

## Conversions Part 2

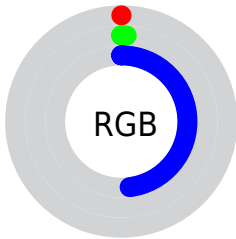
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">0, 2, 123</a>
Decimal	<a href="#">635</a>
CIELab	<a href="#">12.44, 45.29, -62.40</a>
CIElCh	<a href="#">12, 77.105, 305.969</a>
Yxy	<a href="#">1.4735, 0.1505, 0.0616</a>
Android (android.graphics.Color)	<a href="#">4278190715 (0xFF00027B)</a>
YUV	<a href="#">15.1960, 53.1474, -13.3269</a>
Hunter-Lab	<a href="#">12.1387, 31.6493, -83.4941</a>

# Details

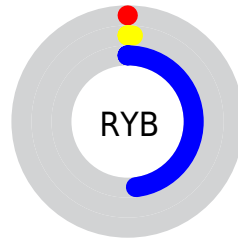
The Hex color **00027B** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **7B7900**, and the grayscale version is **0F0F0F**.

A 20% lighter version of the original color is **5133B1**, and **000049** is the 20% darker color. If you saturate the color by 10%, you get **00027B**, and if you desaturate by 10%, it is **0C0E7B**.

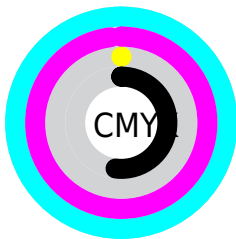
# Distribution



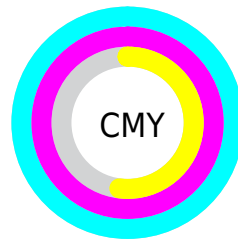
- Red (0%)
- Green (1%)
- Blue (48%)



- Red (0%)
- Yellow (1%)
- Blue (48%)



- Cyan (100%)
- Magenta (98%)
- Yellow (0%)
- Black (52%)



- Cyan (100%)
- Magenta (99%)
- Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00027B 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 00027B by changing the saturation by 10% instead.




 00027B

 00027B

 FFECFF

 000061

 5133B1

 000049

 6E4BCD

 000431

 8B64EA

 00011B

 A87EFF

 000000

 C598FF

 E2B4FF

 FFCFFF

 00027B

■ 0C0E7B

■ 191A7B

■ 25267B

■ 31327B

■ 3E3E7B

■ 4A4B7B

■ 56577B

■ 62637B

■ 6F6F7B

# Harmonies

## Analogous

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



002991



00027B



61004D

# Triad

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



00027B



490200



002F2B

# Complementary

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



00027B



7B7900

# 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.



002E00



00027B



202300

# Square

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



00027B



660000



002C00



003260

# Rectangle

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



00027B



70002A



002C00



002F18



# Sweetspot

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



00027B



7071A1



007B79



343552



D1D1D1



525252



# Same Dimension

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



00027B



0003A1



3B007B



37373D



00027D



0004FC



# Inverse Universe

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



7B0002



A10003



407B00



3D3737



7D0002

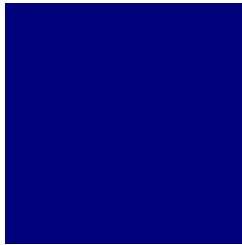


FC0004



# Previews

## White Background



This preview shows how the Hex color 00027B looks on a white background.

## Color Contrast Check

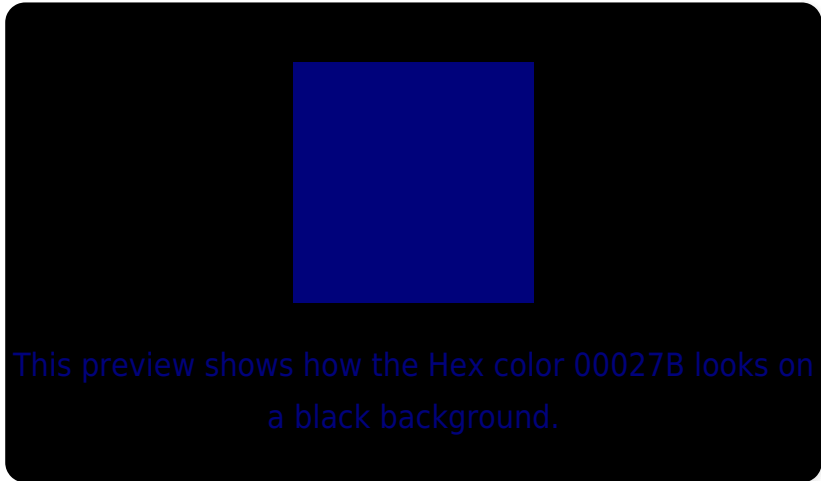
Large Text (above 18pt) WCAG AA ✓ Pass

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

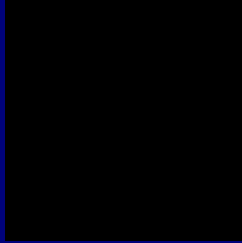
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 00027B Background



This preview shows how black text looks on a background with the Hex color 00027B.



This preview shows how white text looks on a background with the Hex color 00027B.

# 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**  
00027B

**Protanopia**  
00244B

**Deuteranopia**  
002640



**Tritanopia**  
00292B

# Trichromacy



**Original Color**  
00027B

**Protanomaly**  
00185C

**Deuteranomaly**  
001955

**Tritanomaly**  
001B48

# Monochromacy



**Original Color**  
00027B

**Achromatopsia**  
0F0F0F

**Achromatomaly**  
0A0A36

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00027B 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 #00027B looks like.

```
.text, #text, p{  
    color:#00027B  
}
```

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 #00027B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00027B
}
```

## Border

The CSS property to change the border of an element to Hex 00027B is called "border". The border property can be set on classes, ids or directly on the HTML element.

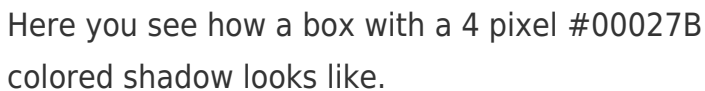
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#00027B }
```

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

```
.border{ border-color:#00027B }
```

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



Here you see how a box with a 4 pixel #00027B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00027B; -webkit-box-shadow:4px 4px  
4px 4px #00027B; box-shadow:4px 4px 4px  
4px #00027B }
```

# Background

The CSS property to change the background color of an element to Hex 00027B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00027B }
```

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

```
.background{ background-color:#00027B }
```

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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