

Converting Colors

Hex(002077)

Have a look what the booklet for
Hex(002077) contains.

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Color

Hex(002077)

Conversions

Conversions Part 1

Format	Color
Hex	002077
RGB	0, 32, 119
RGB Percent	0%, 13%, 47%
CMY	1.0000, 0.8745, 0.5333
CMYK	1.00, 0.73, 0.00, 0.53
HSL	224°, 100%, 23%
HSV	224°, 100%, 47%
XYZ	3.8463, 2.3649, 17.7065
YIQ	32.3500, -46.9990, 20.2730

Conversions

Conversions Part 2

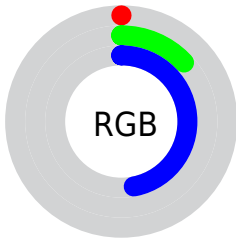
Format	Color
RYB	0, 25, 119
Decimal	8311
CIELab	17.30, 28.14, -51.76
CIElCh	17, 58.914, 298.533
Yxy	2.3649, 0.1608, 0.0989
Android (android.graphics.Color)	4278198391 (0xFF002077)
YUV	32.3500, 42.7185, -28.3710
Hunter-Lab	15.3783, 17.7326, -57.5013

Details

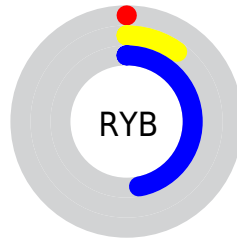
The Hex color **002077** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **775700**, and the grayscale version is **202020**.

A 20% lighter version of the original color is **4C4CAC**, and **000045** is the 20% darker color. If you saturate the color by 10%, you get **002077**, and if you desaturate by 10%, it is **0C2977**.

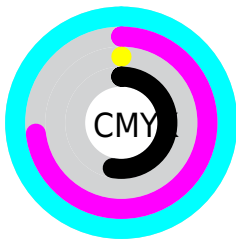
Distribution



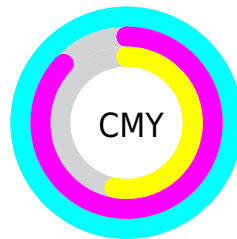
- Red (0%)
- Green (13%)
- Blue (47%)



- Red (0%)
- Yellow (10%)
- Blue (47%)



- Cyan (100%)
- Magenta (73%)
- Yellow (0%)
- Black (53%)



- Cyan (100%)
- Magenta (87%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the Hex color 002077 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 002077 by changing the saturation by 10% instead.

■ 002077

■ 002077

FFFFFF

■ 000D5E

■ 4C4CAC

■ 000045

■ 6864C8

■ 00042E

■ 847DE4

■ 000118

■ A197FF

■ 000000

■ BDB2FF

■ DACDFF

■ F8E9FF

■ 002077

■ 0C2977

■ 183177

■ 243A77

■ 304377

■ 3B4B77

■ 475477

■ 535D77

■ 5F6677

■ 6B6E77

Harmonies

Analogous

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



003282



002077



570058

Triad

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



002077



561000



003A27

Complementary

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



002077



775700

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



002077



372900

Square

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



002077



6B0000



053300



003A53

Rectangle

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



002077



69003D



053300



003918

Sweetspot

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



002077



6D799C



007755



333A4F



CFCFCF



4F4F4F

Same Dimension

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



002077



002A9C



1A0077



35363B



00217A



0043FA

Inverse Universe

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



770020



9C002A



5D7700



3B3536



7A0021



FA0043

Previews

White Background



This preview shows how the Hex color 002077 looks on a white background.

Color Contrast Check

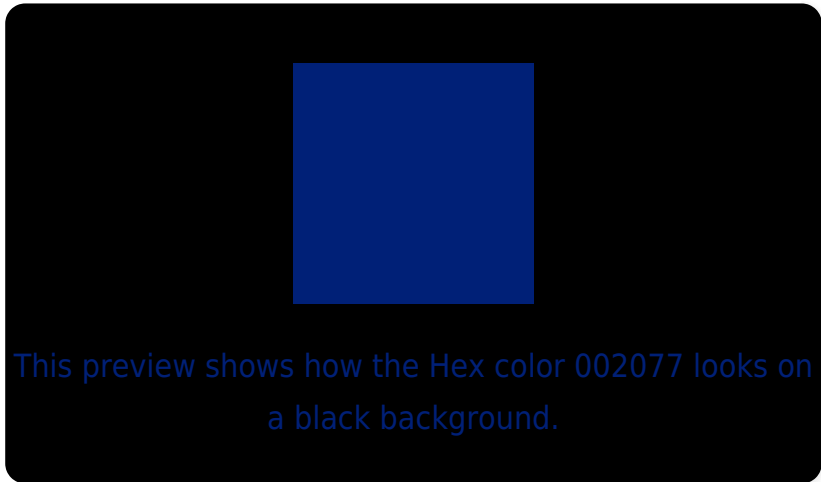
Large Text (above 18pt) WCAG AA ✓ Pass

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

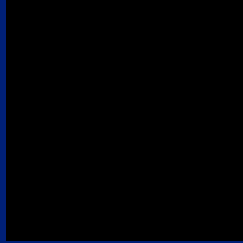
Any Text WCAG AA × Fail

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 002077 Background



This preview shows how black text looks on a background with the Hex color 002077.



This preview shows how white text looks on a background with the Hex color 002077.

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
002077

Protanopia
002A59

Deuteranopia
002D4C

Trichromacy



Original Color
002077

Protanomaly
002664

Deuteranomaly
00285C

Tritanomaly
002B4C

Monochromacy



Original Color
002077

Achromatopsia
202020

Achromatomaly
142040

CSS Examples

Text

The CSS property to change the color of the text to Hex 002077 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 #002077 looks like.

```
.text, #text, p{  
    color:#002077  
}
```

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 #002077 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #002077
}
```

Border

The CSS property to change the border of an element to Hex 002077 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
#002077 }
```

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

```
.border{ border-color:#002077 }
```

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

Here you see how a box with a 4 pixel #002077 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #002077; -webkit-box-shadow:4px 4px  
4px 4px #002077; box-shadow:4px 4px 4px  
4px #002077 }
```

Background

The CSS property to change the background color of an element to Hex 002077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#002077 }
```

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

```
.background{ background-color:#002077 }
```

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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