

Converting Colors

Hex(00017B)

Have a look what the booklet for
Hex(00017B) contains.

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Color

Hex(00017B)

Conversions

Conversions Part 1

Format	Color
Hex	00017B
RGB	0, 1, 123
RGB Percent	0%, 0%, 48%
CMY	1.0000, 0.9961, 0.5176
CMYK	1.00, 0.99, 0.00, 0.52
HSL	240°, 100%, 24%
HSV	240°, 100%, 48%
XYZ	3.5860, 1.4518, 18.8301
YIQ	14.6090, -39.7580, 37.7300

Conversions

Conversions Part 2

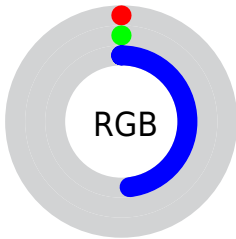
Format	Color
RYB	0, 1, 123
Decimal	379
CIELab	12.30, 45.72, -62.64
CIELCh	12, 77.551, 306.128
Yxy	1.4518, 0.1502, 0.0608
Android (android.graphics.Color)	4278190459 (0xFF00017B)
YUV	14.6090, 53.4368, -12.8121
Hunter-Lab	12.0489, 32.0395, -84.2243

Details

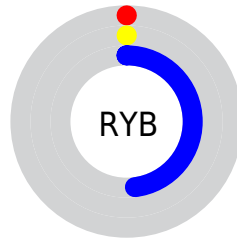
The Hex color **00017B** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **7B7A00**, and the grayscale version is **0E0E0E**.

A 20% lighter version of the original color is **5132B1**, and **000048** is the 20% darker color. If you saturate the color by 10%, you get **00017B**, and if you desaturate by 10%, it is **0C0D7B**.

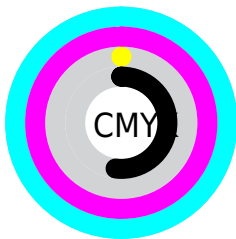
Distribution



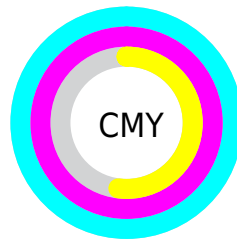
- Red (0%)
- Green (0%)
- Blue (48%)



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



- Cyan (100%)
- Magenta (99%)
- Yellow (0%)
- Black (52%)



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

Brightness & Saturation Gradients


These gradients show how the Hex color 00017B 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 00017B by changing the saturation by 10% instead.

 00017B

 00017B

 FFEBFF

 000061

 5132B1

 000048

 6E4BCD

 000431

 8B64EA

 00011B

 A87DFF

 000000

 C598FF

 E3B3FF

 FFCFFF

 00017B

■ 0C0D7B

■ 19197B

■ 25267B

■ 31327B

■ 3E3E7B

■ 4A4A7B

■ 56567B

■ 62637B

■ 6F6F7B

Harmonies

Analogous

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



002991



00017B



61004D

Triad

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



00017B



490200



002F2B

Complementary

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



00017B



7B7A00

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



00017B



1F2300

Square

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



00017B



660000



002C00



003261

Rectangle

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



00017B



70002A



002C00



002E18

Sweetspot

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



00017B



7071A1



007B79



343452



D1D1D1



525252

Same Dimension

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



00017B



0001A1



3B007B



37373D



00017D



0002FC

Inverse Universe

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



7B0001



A10001



407B00



3D3737



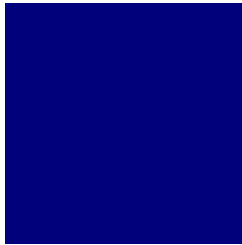
7D0001



FC0002

Previews

White Background



This preview shows how the Hex color 00017B looks on a white background.

Color Contrast Check

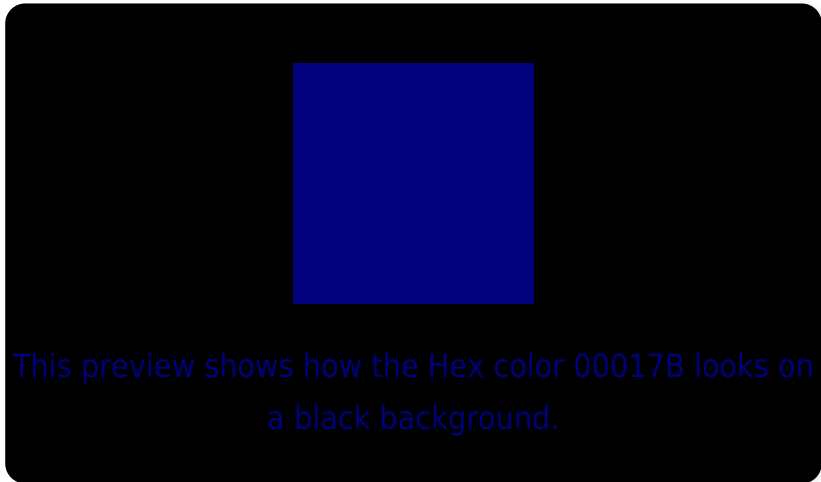
Large Text (above 18pt) WCAG AA ✓ Pass

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

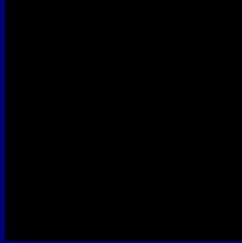
Any Text WCAG AA × Fail

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 00017B Background



This preview shows how black text looks on a background with the Hex color 00017B.



This preview shows how white text looks on a background with the Hex color 00017B.

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
00017B

Protanopia
00244B

Deuteranopia
002640



Tritanopia
00292B

Trichromacy



Original Color
00017B

Protanomaly
00175C

Deuteranomaly
001955

Tritanomaly
001A48

Monochromacy



Original Color
00017B

Achromatopsia
0F0F0F

Achromatomaly
0A0A36

CSS Examples

Text

The CSS property to change the color of the text to Hex 00017B 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 #00017B looks like.

```
.text, #text, p{  
    color:#00017B  
}
```

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 #00017B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00017B
}
```

Border

The CSS property to change the border of an element to Hex 00017B 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
#00017B }
```

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

```
.border{ border-color:#00017B }
```

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

Here you see how a box with a 4 pixel #00017B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00017B; -webkit-box-shadow:4px 4px  
4px 4px #00017B; box-shadow:4px 4px 4px  
4px #00017B }
```

Background

The CSS property to change the background color of an element to Hex 00017B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00017B }
```

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

```
.background{ background-color:#00017B }
```

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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