

Converting Colors

Hex(00217F)

Have a look what the booklet for
Hex(00217F) contains.

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Color

Hex(00217F)

Conversions

Conversions Part 1

Format	Color
Hex	00217F
RGB	0, 33, 127
RGB Percent	0%, 13%, 50%
CMY	1.0000, 0.8706, 0.5020
CMYK	1.00, 0.74, 0.00, 0.50
HSL	224°, 100%, 25%
HSV	224°, 100%, 50%
XYZ	4.3746, 2.6200, 20.3538
YIQ	33.8490, -49.8420, 22.2380

Conversions

Conversions Part 2

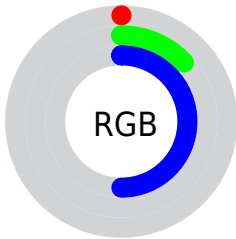
Format	Color
RYB	0, 26, 127
Decimal	8575
CIELab	18.45, 30.68, -54.95
CIELCh	18, 62.939, 299.175
Yxy	2.6200, 0.1600, 0.0958
Android (android.graphics.Color)	4278198655 (0xFF00217F)
YUV	33.8490, 45.9234, -29.6856
Hunter-Lab	16.1865, 19.9158, -63.2242

Details

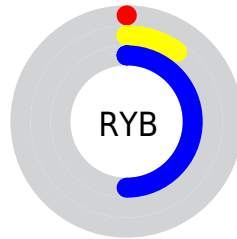
The Hex color **00217F** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **7F5E00**, and the grayscale version is **212121**.

A 20% lighter version of the original color is **4F4DB5**, and **00004D** is the 20% darker color. If you saturate the color by 10%, you get **00217F**, and if you desaturate by 10%, it is **0D2A7F**.

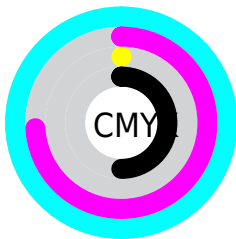
Distribution



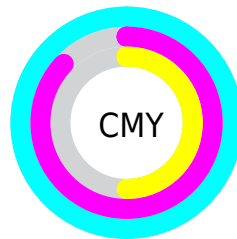
- Red (0%)
- Green (13%)
- Blue (50%)



- Red (0%)
- Yellow (10%)
- Blue (50%)



- Cyan (100%)
- Magenta (74%)
- Yellow (0%)
- Black (50%)



- Cyan (100%)
- Magenta (87%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Hex color 00217F 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 00217F by changing the saturation by 10% instead.

■ 00217F

FFFFFF

■ 4F4DB5

■ 6C65D1

■ 887FED

■ A599FF

■ C2B3FF

■ DFCFFF

■ FDEBFF

■ 00217F

■ 00217F

■ 000D65

■ 00004D

■ 000535

■ 00021F

■ 000001

■ 000000

■ 0D2A7F

■ 19347F

■ 263D7F

■ 33477F

■ 40507F

■ 4C597F

■ 59637F

■ 666C7F

■ 72767F

Harmonies

Analogous

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



00358B



00217F



5E005D

Triad

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



00217F



5B1100



003D2B

Complementary

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



00217F



7F5E00

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.



003B00



00217F



3A2B00

Square

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



00217F



720000



003600



003E59

Rectangle

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



00217F



710040



003600



003C1A

Sweetspot

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



00217F



7481A6



007F5D



363E54



D4D4D4



545454

Same Dimension

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



00217F



002BA6



1E007F



393B40



002180



000000

Inverse Universe

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



7F0021



A6002B



617F00



40393B



800021



000000

Previews

White Background



This preview shows how the Hex color 00217F looks on a white background.

Color Contrast Check

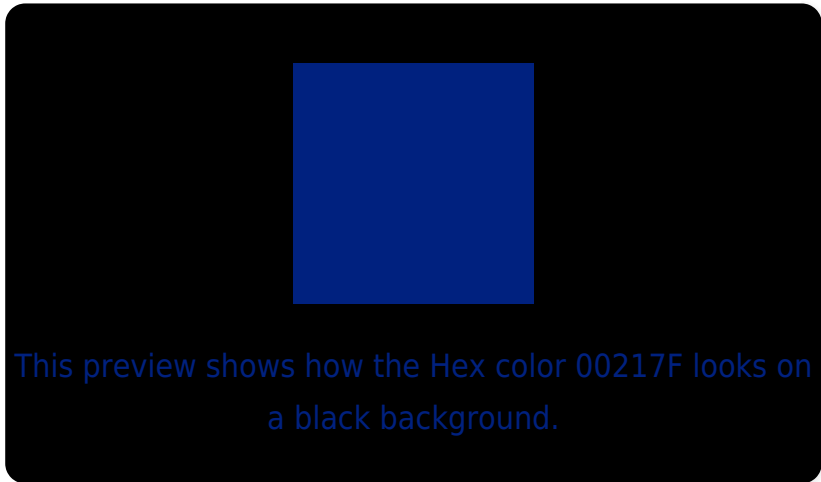
Large Text (above 18pt) WCAG AA ✓ Pass

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 00217F Background



This preview shows how black text looks on a background with the Hex color 00217F.



This preview shows how white text looks on a background with the Hex color 00217F.

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
00217F

Protanopia
002D5E

Deuteranopia
003050



Tritanopia
003336

Trichromacy



Original Color
00217F

Protanomaly
00296A

Deuteranomaly
002B61

Tritanomaly
002C51

Monochromacy



Original Color
00217F

Achromatopsia
222222

Achromatomaly
162244

CSS Examples

Text

The CSS property to change the color of the text to Hex 00217F 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 #00217F looks like.

```
.text, #text, p{  
    color:#00217F  
}
```

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 #00217F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00217F
}
```

Border

The CSS property to change the border of an element to Hex 00217F 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
#00217F }
```

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

```
.border{ border-color:#00217F }
```

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

Here you see how a box with a 4 pixel #00217F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00217F; -webkit-box-shadow:4px 4px  
4px 4px #00217F; box-shadow:4px 4px 4px  
4px #00217F }
```

Background

The CSS property to change the background color of an element to Hex 00217F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00217F }
```

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

```
.background{ background-color:#00217F }
```

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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