

Converting Colors

Hex(00417B)

Have a look what the booklet for
Hex(00417B) contains.

Hex(00417B)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(00417B)

Conversions

Conversions Part 1

Format	Color
Hex	00417B
RGB	0, 65, 123
RGB Percent	0%, 25%, 48%
CMY	1.0000, 0.7451, 0.5176
CMYK	1.00, 0.47, 0.00, 0.52
HSL	208°, 100%, 24%
HSV	208°, 100%, 48%
XYZ	5.4654, 5.2107, 19.4566
YIQ	52.1770, -57.3580, 4.2580

Conversions

Conversions Part 2

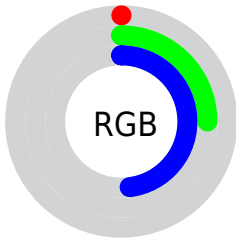
Format	Color
RYB	0, 43, 123
Decimal	16763
CIELab	27.33, 6.24, -37.95
CIElCh	27, 38.458, 279.332
Yxy	5.2107, 0.1814, 0.1729
Android (android.graphics.Color)	4278206843 (0xFF00417B)
YUV	52.1770, 34.9157, -45.7592
Hunter-Lab	22.8269, 2.7914, -34.5573

Details

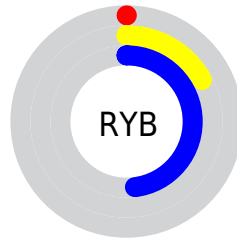
The Hex color **00417B** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **7B3A00**, and the grayscale version is **343434**.

A 20% lighter version of the original color is **4B70B0**, and **00184A** is the 20% darker color. If you saturate the color by 10%, you get **00417B**, and if you desaturate by 10%, it is **0C477B**.

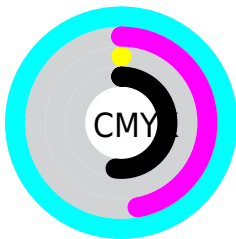
Distribution



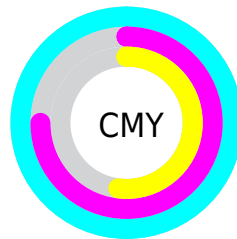
- Red (0%)
- Green (25%)
- Blue (48%)



- Red (0%)
- Yellow (17%)
- Blue (48%)



- Cyan (100%)
- Magenta (47%)
- Yellow (0%)
- Black (52%)



- Cyan (100%)
- Magenta (75%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Hex color 00417B 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 00417B by changing the saturation by 10% instead.

■ 00417B

■ 00417B

FFFFFF

■ 002B62

■ 4B70B0

■ 00184A

■ 678ACC

■ 000433

■ 83A4E8

■ 00021D

■ 9FBFFF

■ 000000

■ BBDAFF

■ D8F7FF

■ F6FFFF

■ 00417B

■ 0C477B

■ 194D7B

■ 25527B

■ 31587B

■ 3E5E7B

■ 4A647B

■ 566A7B

■ 626F7B

■ 6F757B

Harmonies

Analogous

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



004978



00417B



4D346E

Triad

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



00417B



702B1D



004D2B

Complementary

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



00417B



7B3A00

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.



26490E



00417B



5F3703

Square

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



00417B



752239



464200



004E49

Rectangle

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



00417B



632B5F



464200



004C21

Sweetspot

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



00417B



708AA1



007B39



344452



D1D1D1



525252

Same Dimension

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



00417B



0055A1



00047B



373A3D



00427D



0085FC

Inverse Universe

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



7B0041



A10055



7B7700



3D373A



7D0042



FC0085

Previews

White Background



This preview shows how the Hex color 00417B looks on a white background.

Color Contrast Check

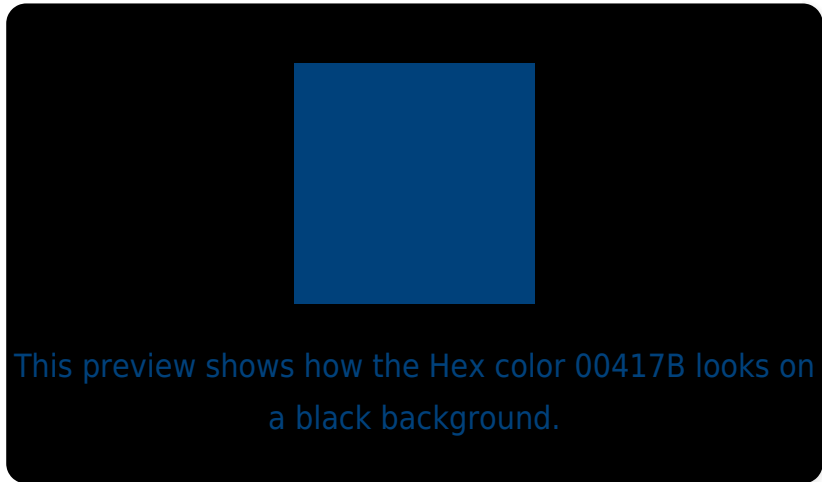
Large Text (above 18pt) WCAG AA ✓ Pass

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

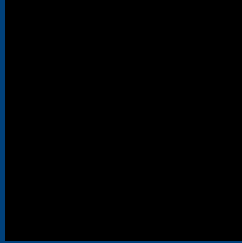
Any Text WCAG AA × Fail

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 00417B Background



This preview shows how black text looks on a background with the Hex color 00417B.



This preview shows how white text looks on a background with the Hex color 00417B.

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
00417B

Protanopia
233F79

Deuteranopia
004274



Tritanopia
00484D

Trichromacy



Original Color
00417B

Protanomaly
16407A

Deuteranomaly
004277

Tritanomaly
00455E

Monochromacy



Original Color
00417B

Achromatopsia
343434

Achromatomaly
21394E

CSS Examples

Text

The CSS property to change the color of the text to Hex 00417B 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 #00417B looks like.

```
.text, #text, p{  
    color:#00417B  
}
```

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 #00417B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00417B
}
```

Border

The CSS property to change the border of an element to Hex 00417B 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
#00417B }
```

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

```
.border{ border-color:#00417B }
```

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

Here you see how a box with a 4 pixel #00417B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00417B; -webkit-box-shadow:4px 4px  
4px 4px #00417B; box-shadow:4px 4px 4px  
4px #00417B }
```

Background

The CSS property to change the background color of an element to Hex 00417B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00417B }
```

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

```
.background{ background-color:#00417B }
```

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