

# Converting Colors

Hex(00407B)

Have a look what the booklet for  
Hex(00407B) contains.

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# Color

**Hex(00407B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00407B
RGB	0, 64, 123
RGB Percent	0%, 25%, 48%
CMY	1.0000, 0.7490, 0.5176
CMYK	1.00, 0.48, 0.00, 0.52
HSL	209°, 100%, 24%
HSV	209°, 100%, 48%
XYZ	5.4085, 5.0969, 19.4376
YIQ	51.5900, -57.0830, 4.7810

# Conversions

## Conversions Part 2

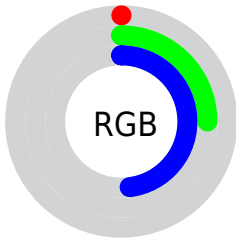
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 42, 123
Decimal	16507
CIELab	27.01, 6.93, -38.46
CIELCh	27, 39.080, 280.219
Yxy	5.0969, 0.1806, 0.1702
Android (android.graphics.Color)	4278206587 (0xFF00407B)
YUV	51.5900, 35.2051, -45.2444
Hunter-Lab	22.5762, 3.2546, -35.2440

# Details

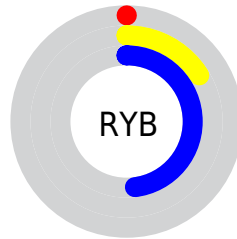
The Hex color **00407B** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **7B3B00**, and the grayscale version is **333333**.

A 20% lighter version of the original color is **4B6FB0**, and **001749** is the 20% darker color. If you saturate the color by 10%, you get **00407B**, and if you desaturate by 10%, it is **0C467B**.

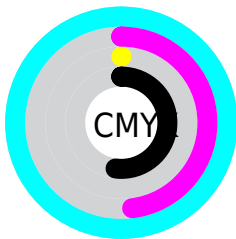
# Distribution



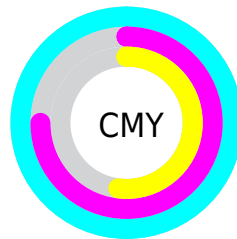
- Red (0%)
- Green (25%)
- Blue (48%)



- Red (0%)
- Yellow (16%)
- Blue (48%)



- Cyan (100%)
- Magenta (48%)
- Yellow (0%)
- Black (52%)



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

# Brightness & Saturation Gradients

These gradients show how the Hex color 00407B 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 00407B by changing the saturation by 10% instead.



00407B

00407B

FFFFFF

002A62

4B6FB0

001749

6788CC

000432

83A2E8

00021D

9FBDFE

000000

BBD9FF

D8F6FF

F6FFFF

00407B

■ 0C467B

■ 194C7B

■ 25527B

■ 31587B

■ 3E5D7B

■ 4A637B

■ 56697B

■ 626F7B

■ 6F757B

# Harmonies

## Analogous

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



004978



00407B



4E336E

# Triad

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



00407B



6F2A1B



004C2A

# Complementary

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



00407B



7B3B00

# 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.



23490D



00407B



5E3701

# Square

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



00407B



752037



454200



004E4A

# Rectangle

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



00407B



63295E



454200



004B20



# Sweetspot

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



00407B



708AA1



007B39



344452



D1D1D1



525252



# Same Dimension

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



00407B



0054A1



00047B



373A3D



00417D



0083FC



# Inverse Universe

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



7B0040



A10054



7B7700



3D373A



7D0041



FC0083



# Previews

## White Background



This preview shows how the Hex color 00407B looks on a white background.

## Color Contrast Check

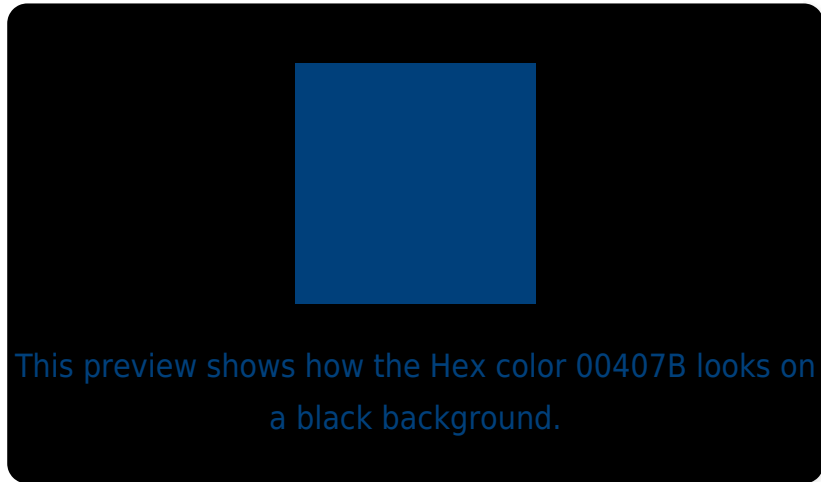
Large Text (above 18pt) WCAG AA ✓ Pass

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

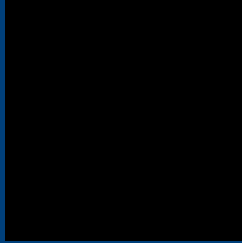
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 00407B Background



This preview shows how black text looks on a background with the Hex color 00407B.



This preview shows how white text looks on a background with the Hex color 00407B.

# 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**  
00407B

**Protanopia**  
203E79

**Deuteranopia**  
004273



**Tritanopia**  
00484C

# Trichromacy



**Original Color**  
00407B

**Protanomaly**  
143F7A

**Deuteranomaly**  
004176

**Tritanomaly**  
00455D

# Monochromacy



**Original Color**  
00407B

**Achromatopsia**  
343434

**Achromatomaly**  
21384E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00407B 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 #00407B looks like.

```
.text, #text, p{  
    color:#00407B  
}
```

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 #00407B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00407B
}
```

## Border

The CSS property to change the border of an element to Hex 00407B 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
#00407B }
```

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

```
.border{ border-color:#00407B }
```

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

Here you see how a box with a 4 pixel #00407B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00407B; -webkit-box-shadow:4px 4px  
4px 4px #00407B; box-shadow:4px 4px 4px  
4px #00407B }
```

# Background

The CSS property to change the background color of an element to Hex 00407B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00407B }
```

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

```
.background{ background-color:#00407B }
```

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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