

# Converting Colors

Hex(00408E)

Have a look what the booklet for  
Hex(00408E) contains.

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# Color

**Hex(00408E)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	00408E
RGB	0, 64, 142
RGB Percent	0%, 25%, 56%
CMY	1.0000, 0.7490, 0.4431
CMYK	1.00, 0.55, 0.00, 0.44
HSL	213°, 100%, 28%
HSV	213°, 100%, 56%
XYZ	6.7159, 5.6198, 26.3219
YIQ	53.7560, -63.1820, 10.6900

# Conversions

## Conversions Part 2

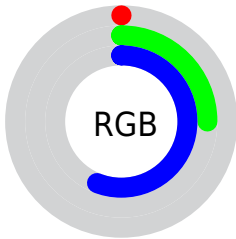
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	0, 44, 142
Decimal	16526
CIE Lab	28.43, 15.19, -47.98
CIE LCh	28, 50.330, 287.567
Yxy	5.6198, 0.1737, 0.1454
Android (android.graphics.Color)	4278206606 (0xFF00408E)
YUV	53.7560, 43.5043, -47.1440
Hunter-Lab	23.7061, 9.0830, -49.2381

# Details

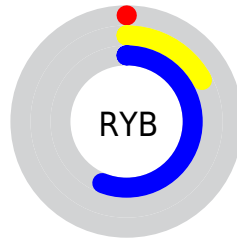
The Hex color **00408E** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **8E4E00**, and the grayscale version is **353535**.

A 20% lighter version of the original color is **516FC4**, and **00175B** is the 20% darker color. If you saturate the color by 10%, you get **00408E**, and if you desaturate by 10%, it is **0E488E**.

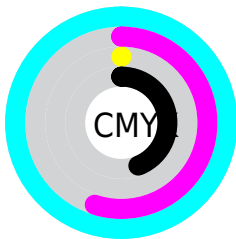
# Distribution



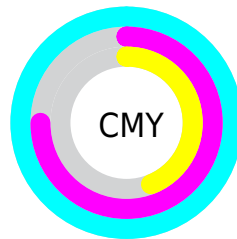
- Red (0%)
- Green (25%)
- Blue (56%)



- Red (0%)
- Yellow (17%)
- Blue (56%)



- Cyan (100%)
- Magenta (55%)
- Yellow (0%)
- Black (44%)



- Cyan (100%)
- Magenta (75%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00408E 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 00408E by changing the saturation by 10% instead.




 00408E

 00408E

FFFFFF

 002B74

 516FC4

 00175B

 6E88E1

 000143

 8BA2FE

 00032C

 A8BDFF

 000116

 C5D9FF

 000000

 E2F5FF

 00408E

 0E488E

■ 1C508E

■ 2B578E

■ 395F8E

■ 47678E

■ 556F8E

■ 63778E

■ 727E8E

■ 80868E

# Harmonies

## Analogous

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



004C90



00408E



602C78

# Triad

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



00408E



792807



005331

# Complementary

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



00408E



8E4E00

# 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.



004F04



00408E



603B00

# Square

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



00408E



85112E



3E4800



00545A

# Rectangle

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



00408E



781B61



3E4800



005223



# Sweetspot

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



00408E



8199B8



008E4C



3B4A5C



DBDBDB



5C5C5C



# Same Dimension

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



00408E



0053B8



05008E



404347



003D87



000308



# Inverse Universe

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



8E0040



B80053



898E00



474043



87003D



080003



# Previews

## White Background



This preview shows how the Hex color 00408E looks on a white background.

## Color Contrast Check

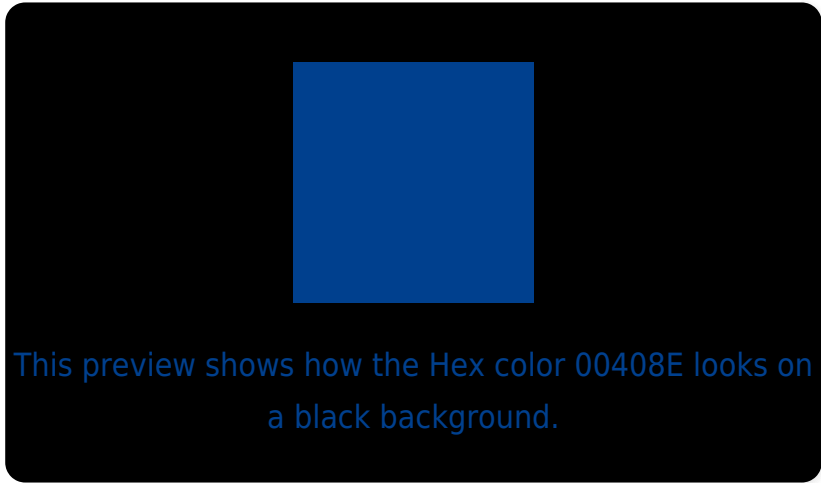
Large Text (above 18pt) WCAG AA ✓ Pass

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

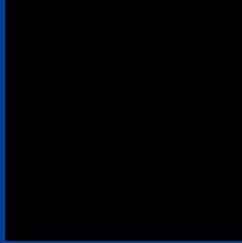
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 00408E Background



This preview shows how black text looks on a background with the Hex color 00408E.



This preview shows how white text looks on a background with the Hex color 00408E.

# 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**

00408E

**Protanopia**

00418A

**Deuteranopia**

004577



**Tritanopia**  
004B50

# Trichromacy



**Original Color**  
00408E

**Protanomaly**  
00418B

**Deuteranomaly**  
00437F

**Tritanomaly**  
004767

# Monochromacy



**Original Color**  
00408E

**Achromatopsia**  
363636

**Achromatomaly**  
223A56

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00408E 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 #00408E looks like.

```
.text, #text, p{  
    color:#00408E  
}
```

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 #00408E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00408E
}
```

## Border

The CSS property to change the border of an element to Hex 00408E is called "border". The border property can be set on classes, ids or directly on the HTML element.

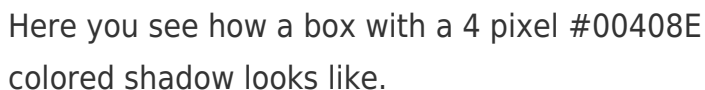
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#00408E }
```

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

```
.border{ border-color:#00408E }
```

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



Here you see how a box with a 4 pixel #00408E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00408E; -webkit-box-shadow:4px 4px  
4px 4px #00408E; box-shadow:4px 4px 4px  
4px #00408E }
```

# Background

The CSS property to change the background color of an element to Hex 00408E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00408E }
```

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

```
.background{ background-color:#00408E }
```

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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