

Converting Colors

Hex(00419E)

Have a look what the booklet for
Hex(00419E) contains.

Hex(00419E)	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(00419E)

Conversions

Conversions Part 1

Format	Color
Hex	00419E
RGB	0, 65, 158
RGB Percent	0%, 25%, 62%
CMY	1.0000, 0.7451, 0.3804
CMYK	1.00, 0.59, 0.00, 0.38
HSL	215°, 100%, 31%
HSV	215°, 100%, 62%
XYZ	8.0619, 6.2492, 33.1291
YIQ	56.1670, -68.5930, 15.1430

Conversions

Conversions Part 2

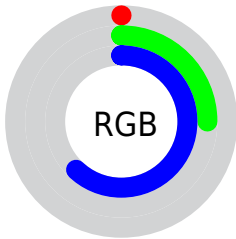
Format	Color
R _Y B	0, 46, 158
Decimal	16798
CIE Lab	30.03, 21.27, -55.15
CIE LCh	30, 59.110, 291.089
Yxy	6.2492, 0.1699, 0.1317
Android (android.graphics.Color)	4278206878 (0xFF00419E)
YUV	56.1670, 50.2037, -49.2585
Hunter-Lab	24.9984, 13.8180, -61.0749

Details

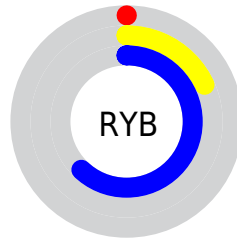
The Hex color **00419E** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **9E5D00**, and the grayscale version is **383838**.

A 20% lighter version of the original color is **5670D5**, and **00186A** is the 20% darker color. If you saturate the color by 10%, you get **00419E**, and if you desaturate by 10%, it is **104A9E**.

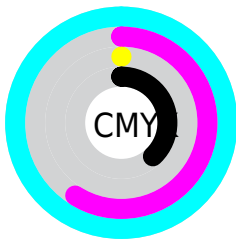
Distribution



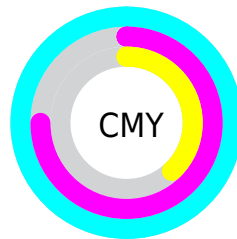
- Red (0%)
- Green (25%)
- Blue (62%)



- Red (0%)
- Yellow (18%)
- Blue (62%)



- Cyan (100%)
- Magenta (59%)
- Yellow (0%)
- Black (38%)



- Cyan (100%)
- Magenta (75%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Hex color 00419E 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 00419E by changing the saturation by 10% instead.

■ 00419E

FFFFFF

■ 5670D5

■ 7489F2

■ 92A3FF

■ AFBEFF

■ CDDAFF

■ EAF7FF

■ 00419E

■ 002C83

■ 00186A

■ 000051

■ 000539

■ 000222

■ 000008

■ 000000

■ 00419E

■ 104A9E

■ 20549E

■ 2F5D9E

■ 3F669E

■ 4F709E

■ 5F799E

■ 6F829E

■ 7E8B9E

■ 8E959E

Harmonies

Analogous

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



0051A3



00419E



6E2581

Triad

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



00419E



822800



005937

Complementary

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



00419E



9E5D00

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.



005500



00419E



634000

Square

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



00419E



930029



394E00



005A67

Rectangle

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



00419E



880566



394E00



005827

Sweetspot

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



00419E



91AACF



009E5C



435269



E8E8E8



696969

Same Dimension

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



00419E



0055CF



0D009E



474A4F



003B8F



00060F

Inverse Universe

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



9E0041



CF0055



919E00



4F474A



8F003B



0F0006

Previews

White Background



This preview shows how the Hex color 00419E looks on a white background.

Color Contrast Check

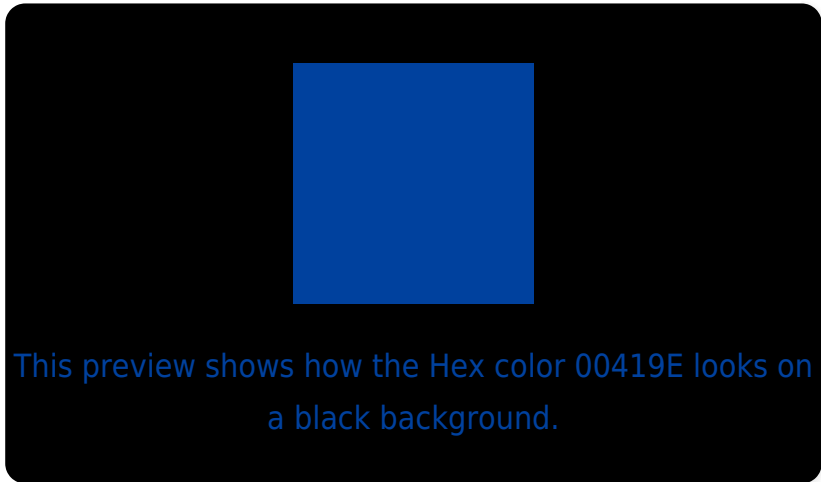
Large Text (above 18pt) WCAG AA ✓ Pass

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

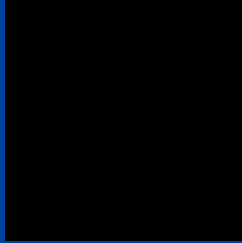
Any Text WCAG AA × Fail

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 00419E Background



This preview shows how black text looks on a background with the Hex color 00419E.



This preview shows how white text looks on a background with the Hex color 00419E.

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


00419E

Protanopia

004491

Deuteranopia

00497D



Tritanopia
004F54

Trichromacy



Original Color
00419E

Protanomaly
004396

Deuteranomaly
004689

Tritanomaly
004A6F

Monochromacy



Original Color
00419E

Achromatopsia
383838

Achromatomaly
243B5D

CSS Examples

Text

The CSS property to change the color of the text to Hex 00419E 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 #00419E looks like.

```
.text, #text, p{  
    color:#00419E  
}
```

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 #00419E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00419E
}
```

Border

The CSS property to change the border of an element to Hex 00419E is called "border". The border property can be set on classes, ids or directly on the HTML element.

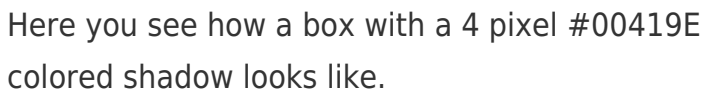
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#00419E }
```

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

```
.border{ border-color:#00419E }
```

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



Here you see how a box with a 4 pixel #00419E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00419E; -webkit-box-shadow:4px 4px  
4px 4px #00419E; box-shadow:4px 4px 4px  
4px #00419E }
```

Background

The CSS property to change the background color of an element to Hex 00419E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00419E }
```

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

```
.background{ background-color:#00419E }
```

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