

# Converting Colors

Hex(003795)

Have a look what the booklet for  
Hex(003795) contains.

<b>Hex(003795)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(003795)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	003795
RGB	0, 55, 149
RGB Percent	0%, 22%, 58%
CMY	1.0000, 0.7843, 0.4157
CMYK	1.00, 0.63, 0.00, 0.42
HSL	218°, 100%, 29%
HSV	218°, 100%, 58%
XYZ	6.7910, 4.9023, 29.0221
YIQ	49.2710, -62.9540, 17.5740

# Conversions

## Conversions Part 2

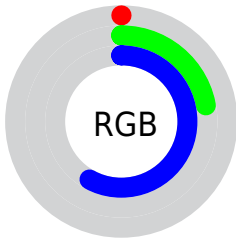
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	0, 40, 149
Decimal	14229
CIE <sub>Lab</sub>	26.45, 24.48, -55.51
CIE <sub>LCh</sub>	26, 60.673, 293.798
Yxy	4.9023, 0.1668, 0.1204
Android (android.graphics.Color)	4278204309 (0xFF003795)
YUV	49.2710, 49.1664, -43.2107
Hunter-Lab	22.1411, 16.0015, -62.2171

# Details

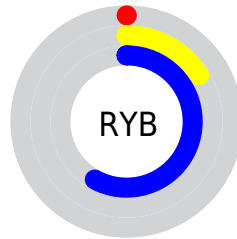
The Hex color **003795** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **955E00**, and the grayscale version is **313131**.

A 20% lighter version of the original color is **5465CC**, and **001061** is the 20% darker color. If you saturate the color by 10%, you get **003795**, and if you desaturate by 10%, it is **0F4095**.

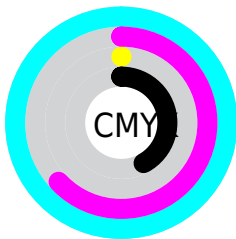
# Distribution



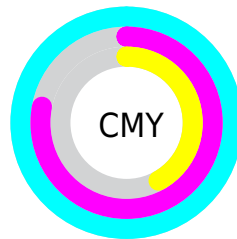
- Red (0%)
- Green (22%)
- Blue (58%)



- Red (0%)
- Yellow (16%)
- Blue (58%)



- Cyan (100%)
- Magenta (63%)
- Yellow (0%)
- Black (42%)



- Cyan (100%)
- Magenta (78%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 003795 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 003795 by changing the saturation by 10% instead.



■ 003795

■ 003795

FFFFFF

■ 00227B

■ 5465CC

■ 001061

■ 727EE9

■ 000149

■ 8F98FF

■ 000431

■ ACB3FF

■ 00011B

■ C9CEFF

■ 000000

■ E7EAFF

■ 003795

■ 0F4095

■ 1E4A95

■ 2D5395

■ 3C5D95

■ 4B6695

■ 596F95

■ 687995

■ 778295

■ 868C95

# Harmonies

## Analogous

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



00489C



003795



6A1576

# Triad

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



003795



772000



005033

# Complementary

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



003795



955E00

# 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.



004D00



003795



563A00

# Square

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



003795



89001D



2A4700



005163

# Rectangle

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



003795



81005A



2A4700



004F23



# Sweetspot

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



003795



889DC2



00955C



3E4B61



E0E0E0



616161



# Same Dimension

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



003795



0048C2



110095



43454A



00338A



00040A



# Inverse Universe

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



950037



C20048



849500



4A4345



8A0033



0A0004



# Previews

## White Background



This preview shows how the Hex color 003795 looks on a white background.

## Color Contrast Check

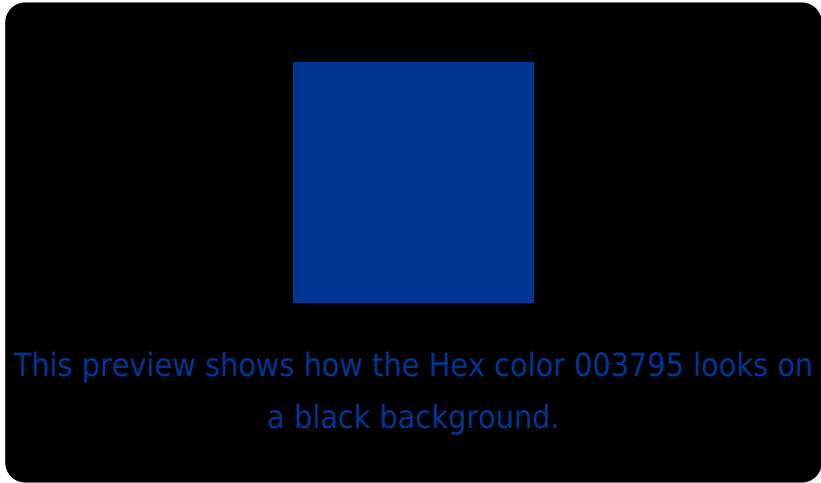
Large Text (above 18pt) WCAG AA ✓ Pass

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

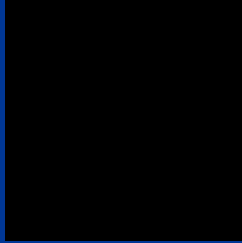
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 003795 Background



This preview shows how black text looks on a background with the Hex color 003795.



This preview shows how white text looks on a background with the Hex color 003795.

# 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**  
003795

**Protanopia**  
003D81

**Deuteranopia**  
00416E



**Tritanopia**  
00464A

# Trichromacy



**Original Color**  
003795

**Protanomaly**  
003B88

**Deuteranomaly**  
003D7C

**Tritanomaly**  
004165

# Monochromacy



**Original Color**  
003795

**Achromatopsia**  
313131

**Achromatomaly**  
1F3355

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 003795 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 #003795 looks like.

```
.text, #text, p{  
    color:#003795  
}
```

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 #003795 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #003795
}
```

## Border

The CSS property to change the border of an element to Hex 003795 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".

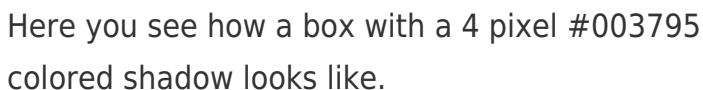
```
.border, #border, table{ border:4px solid
#003795 }
```

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

```
.border{ border-color:#003795 }
```

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

Here you see how a box with a 4 pixel #003795 colored shadow looks like.

A rectangular box with a blue border and a blue shadow. The box is white with a blue border and a blue shadow. The shadow is a 4px offset to the right and bottom of the box.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #003795; -webkit-box-shadow:4px 4px  
4px 4px #003795; box-shadow:4px 4px 4px  
4px #003795 }
```

# Background

The CSS property to change the background color of an element to Hex 003795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#003795 }
```

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

```
.background{ background-color:#003795 }
```

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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