

# Converting Colors

Hex(003EA9)

Have a look what the booklet for  
Hex(003EA9) contains.

<b>Hex(003EA9)</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(003EA9)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	003EA9
RGB	0, 62, 169
RGB Percent	0%, 24%, 66%
CMY	1.0000, 0.7569, 0.3373
CMYK	1.00, 0.63, 0.00, 0.34
HSL	218°, 100%, 33%
HSV	218°, 100%, 66%
XYZ	8.8841, 6.3098, 38.2858
YIQ	55.6600, -71.2990, 20.1330

# Conversions

## Conversions Part 2

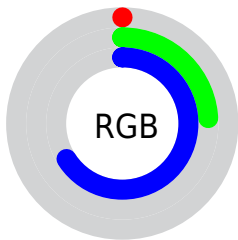
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	0, 45, 169
Decimal	16041
CIE <sub>Lab</sub>	30.18, 27.86, -61.54
CIE <sub>LCh</sub>	30, 67.553, 294.355
Yxy	6.3098, 0.1661, 0.1180
Android (android.graphics.Color)	4278206121 (0xFF003EA9)
YUV	55.6600, 55.8766, -48.8138
Hunter-Lab	25.1194, 19.1719, -72.7836

# Details

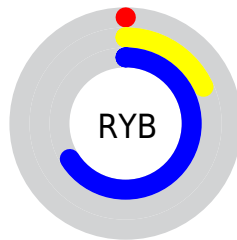
The Hex color **003EA9** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **A96B00**, and the grayscale version is **373737**.

A 20% lighter version of the original color is **5A6DE1**, and **001674** is the 20% darker color. If you saturate the color by 10%, you get **003EA9**, and if you desaturate by 10%, it is **1149A9**.

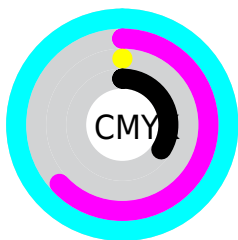
# Distribution



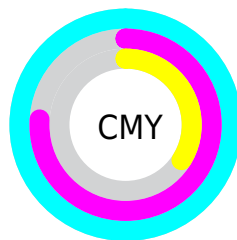
- Red (0%)
- Green (24%)
- Blue (66%)



- Red (0%)
- Yellow (18%)
- Blue (66%)



- Cyan (100%)
- Magenta (63%)
- Yellow (0%)
- Black (34%)



- Cyan (100%)
- Magenta (76%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 003EA9 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 003EA9 by changing the saturation by 10% instead.



■ 003EA9

■ 003EA9

FFFFFF

■ 00298E

■ 5A6DE1

■ 001674

■ 7986FE

■ 00005A

■ 97A0FF

■ 000742

■ B5BBFF

■ 00032B

■ D3D7FF

■ 000115

■ F1F3FF

■ 000000

■ 003EA9

■ 1149A9

■ 2253A9

■ 335EA9

■ 4469A9

■ 5473A9

■ 657EA9

■ 7689A9

■ 8794A9

■ 989EA9

# Harmonies

## Analogous

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



0052B2



003EA9



791485

# Triad

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



003EA9



862500



005B3B

# Complementary

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



003EA9



A96B00

# 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.



005800



003EA9



604200

# Square

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



003EA9



9B0020



2D5100



005C72

# Rectangle

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



003EA9



930065



2D5100



005A28



# Sweetspot

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



003EA9



9AB2DB



00A968



46556E



EDEDED



6E6E6E



# Same Dimension

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



003EA9



0050DB



1400A9



4C4F54



003694



000714



# Inverse Universe

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



A9003E



DB0050



95A900



544C4F



940036



140007



# Previews

## White Background



This preview shows how the Hex color 003EA9 looks on a white background.

## Color Contrast Check

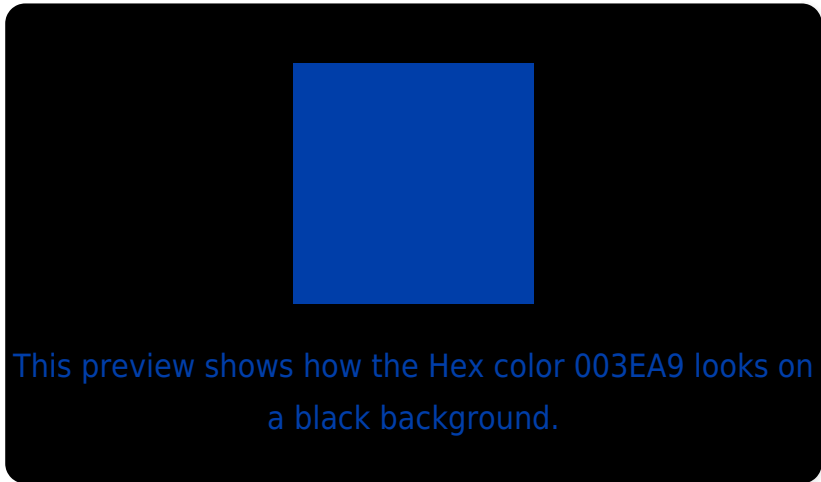
Large Text (above 18pt) WCAG AA ✓ Pass

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

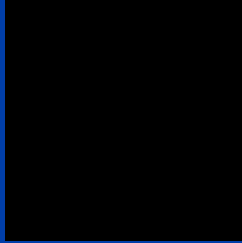
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 003EA9 Background



This preview shows how black text looks on a background with the Hex color 003EA9.



This preview shows how white text looks on a background with the Hex color 003EA9.

# 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**  
003EA9

**Protanopia**  
004591

**Deuteranopia**  
00497C



**Tritanopia**  
004F54

# Trichromacy



**Original Color**  
003EA9

**Protanomaly**  
00429A

**Deuteranomaly**  
00458C

**Tritanomaly**  
004973

# Monochromacy



**Original Color**  
003EA9

**Achromatopsia**  
383838

**Achromatomaly**  
243A61

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 003EA9 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 #003EA9 looks like.

```
.text, #text, p{  
    color:#003EA9  
}
```

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 #003EA9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #003EA9
}
```

## Border

The CSS property to change the border of an element to Hex 003EA9 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
#003EA9 }
```

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

```
.border{ border-color:#003EA9 }
```

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

Here you see how a box with a 4 pixel #003EA9 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #003EA9; -webkit-box-shadow:4px 4px  
4px 4px #003EA9; box-shadow:4px 4px 4px  
4px #003EA9 }
```

# Background

The CSS property to change the background color of an element to Hex 003EA9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#003EA9 }
```

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

```
.background{ background-color:#003EA9 }
```

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