

# Converting Colors

Hex(004992)

Have a look what the booklet for  
Hex(004992) contains.

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**Color**

**Hex(004992)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	004992
RGB	0, 73, 146
RGB Percent	0%, 29%, 57%
CMY	1.0000, 0.7137, 0.4275
CMYK	1.00, 0.50, 0.00, 0.43
HSL	210°, 100%, 29%
HSV	210°, 100%, 57%
XYZ	7.5709, 6.8404, 28.1154
YIQ	59.4950, -66.9410, 7.2270

# Conversions

## Conversions Part 2

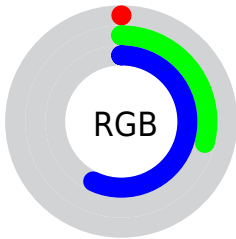
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 49, 146
Decimal	18834
CIELab	31.44, 10.65, -45.56
CIELCh	31, 46.790, 283.151
Yxy	6.8404, 0.1780, 0.1608
Android (android.graphics.Color)	4278208914 (0xFF004992)
YUV	59.4950, 42.6470, -52.1771
Hunter-Lab	26.1542, 5.9006, -45.4281

# Details

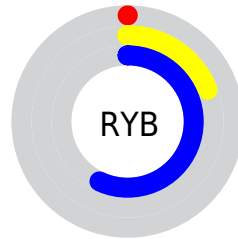
The Hex color **004992** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **924900**, and the grayscale version is **3B3B3B**.

A 20% lighter version of the original color is **5279C9**, and **001F5F** is the 20% darker color. If you saturate the color by 10%, you get **004992**, and if you desaturate by 10%, it is **0F5092**.

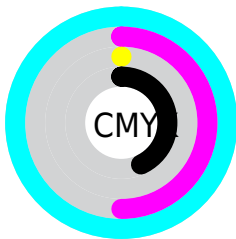
# Distribution



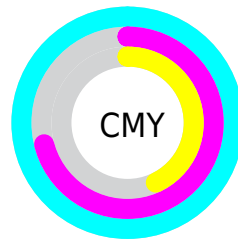
- Red (0%)
- Green (29%)
- Blue (57%)



- Red (0%)
- Yellow (19%)
- Blue (57%)



- Cyan (100%)
- Magenta (50%)
- Yellow (0%)
- Black (43%)



- Cyan (100%)
- Magenta (71%)
- Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 004992 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 004992 by changing the saturation by 10% instead.



■ 004992

■ 004992

FFFFFF

■ 003378

■ 5279C9

■ 001F5F

■ 6F92E5

■ 000547

■ 8CADFF

■ 00042F

■ A9C8FF

■ 00011A

■ C6E4FF

■ 000000

■ E3FFFF

■ 004992

■ 0F5092

■ 1D5892

■ 2C5F92

■ 3A6692

■ 496E92

■ 587592

■ 667C92

■ 758392

■ 838B92

# Harmonies

## Analogous

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



005490



004992



5F3880

# Triad

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



004992



812F19



005933

# Complementary

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



004992



924900

# 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.



1F550C



004992



6B4100

# Square

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



004992



8A213C



4B4D00



005A5A

# Rectangle

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



004992



782B6C



4B4D00



005827



# Sweetspot

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



004992



84A0BD



009249



3C4D5E



DEDEDE



5E5E5E



# Same Dimension

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



004992



005EBD



000092



43464A



00458A



00050A



# Inverse Universe

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



920049



BD005E



929200



4A4346



8A0045



0A0005



# Previews

## White Background



This preview shows how the Hex color 004992 looks on a white background.

## Color Contrast Check

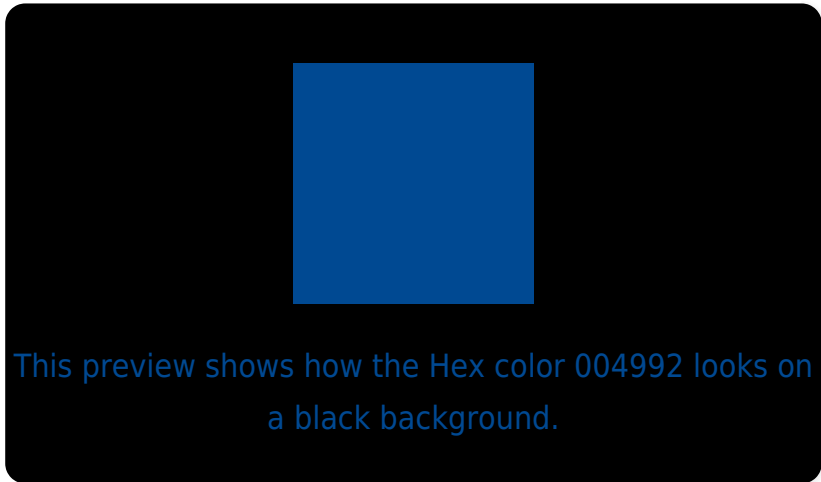
Large Text (above 18pt) WCAG AA ✓ Pass

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

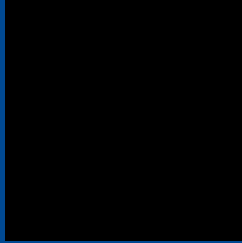
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 004992 Background



This preview shows how black text looks on a background with the Hex color 004992.



This preview shows how white text looks on a background with the Hex color 004992.

# 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**

004992

**Protanopia**

1E4891

**Deuteranopia**

004C84



# Trichromacy



**Original Color**  
004992

**Protanomaly**  
134891

**Deuteranomaly**  
004B89

**Tritanomaly**  
004F6D

# Monochromacy



**Original Color**  
004992

**Achromatopsia**  
3B3B3B

**Achromatomaly**  
26405B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 004992 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 #004992 looks like.

```
.text, #text, p{  
    color:#004992  
}
```

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 #004992 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #004992
}
```

## Border

The CSS property to change the border of an element to Hex 004992 is called "border". The border property can be set on classes, ids or directly on the HTML element.

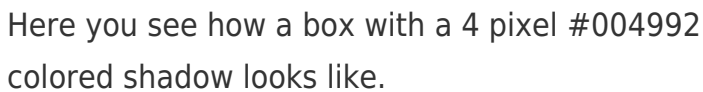
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#004992 }
```

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

```
.border{ border-color:#004992 }
```

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



Here you see how a box with a 4 pixel #004992 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #004992; -webkit-box-shadow:4px 4px  
4px 4px #004992; box-shadow:4px 4px 4px  
4px #004992 }
```

# Background

The CSS property to change the background color of an element to Hex 004992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#004992 }
```

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

```
.background{ background-color:#004992 }
```

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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