

# Converting Colors

Hex(004B9B)

Have a look what the booklet for  
Hex(004B9B) contains.

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# Color

**Hex(004B9B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	004B9B
RGB	0, 75, 155
RGB Percent	0%, 29%, 61%
CMY	1.0000, 0.7059, 0.3922
CMYK	1.00, 0.52, 0.00, 0.39
HSL	211°, 100%, 30%
HSV	211°, 100%, 61%
XYZ	8.4325, 7.3987, 31.9940
YIQ	61.6950, -70.3800, 8.9800

# Conversions

## Conversions Part 2

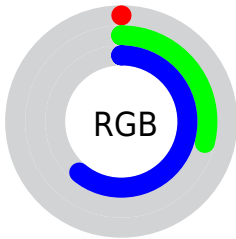
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 51, 155
Decimal	19355
CIELab	32.70, 13.10, -49.00
CIELCh	33, 50.722, 284.964
Yxy	7.3987, 0.1763, 0.1547
Android (android.graphics.Color)	4278209435 (0xFF004B9B)
YUV	61.6950, 45.9994, -54.1065
Hunter-Lab	27.2006, 7.7359, -50.6980

# Details

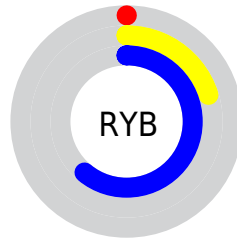
The Hex color **004B9B** is a dark color, and the websafe version is hex **0066CC**. A complement of this color would be **9B5000**, and the grayscale version is **3D3D3D**.

A 20% lighter version of the original color is **557BD2**, and **002167** is the 20% darker color. If you saturate the color by 10%, you get **004B9B**, and if you desaturate by 10%, it is **0F539B**.

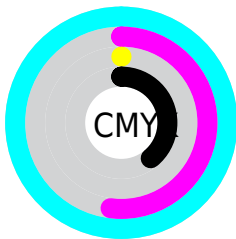
# Distribution



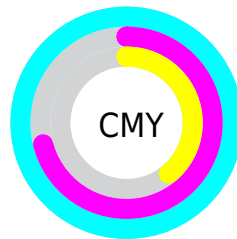
- Red (0%)
- Green (29%)
- Blue (61%)



- Red (0%)
- Yellow (20%)
- Blue (61%)



- Cyan (100%)
- Magenta (52%)
- Yellow (0%)
- Black (39%)



- Cyan (100%)
- Magenta (71%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 004B9B 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 004B9B by changing the saturation by 10% instead.



 004B9B

 004B9B

FFFFFF

 003581

 557BD2

 002167

 7395EF

 00094E

 90AFFF

 000537

 ADCAFF

 000220

 CAE6FF

 000005

 E8FFFF

 000000

 004B9B

 0F539B

 1F5B9B

 2F639B

 3E6B9B

 4E739B

 5D7B9B

 6C839B

 7C8B9B

 8B939B

# Harmonies

## Analogous

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



00579B



004B9B



673886

# Triad

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



004B9B



883014



005D37

# Complementary

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



004B9B



9B5000

# 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.



17590A



004B9B



6E4400

# Square

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



004B9B



931E3B



4C5100



005F60

# Rectangle

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



004B9B



812970



4C5100



005C29



# Sweetspot

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



004B9B



8DAAC9



009B4E



415366



E6E6E6



666666



# Same Dimension

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



004B9B



0061C9



00009B



45494D



00448C



00060D



# Inverse Universe

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



9B004B



C90061



9B9B00



4D4549



8C0044



0D0006



# Previews

## White Background



This preview shows how the Hex color 004B9B looks on a white background.

## Color Contrast Check

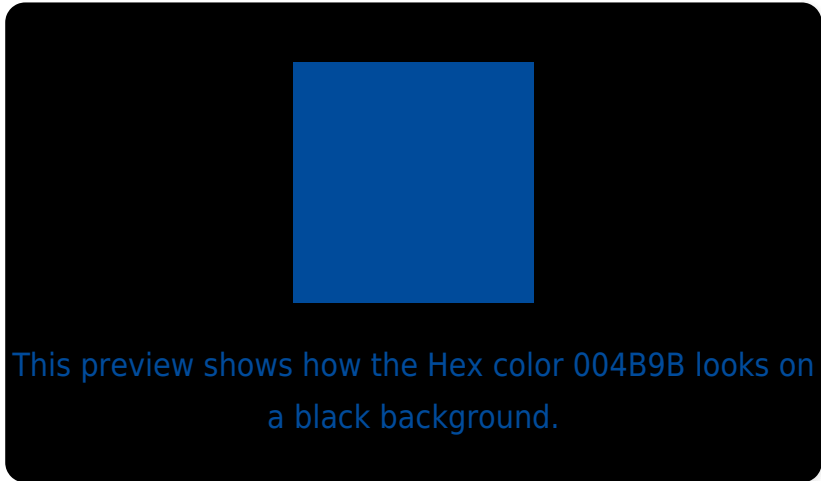
Large Text (above 18pt) WCAG AA ✓ Pass

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

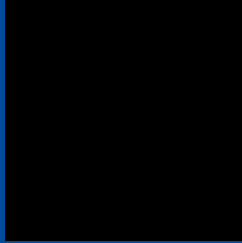
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 004B9B Background



This preview shows how black text looks on a background with the Hex color 004B9B.

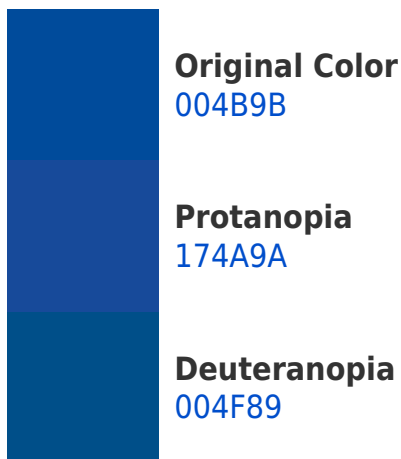


This preview shows how white text looks on a background with the Hex color 004B9B.

# 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



# Trichromacy



**Original Color**  
004B9B

**Protanomaly**  
0F4A9A

**Deuteranomaly**  
004E90

# Monochromacy



**Original Color**  
004B9B

**Achromatopsia**  
3E3E3E

**Achromatomaly**  
274360

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 004B9B 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 #004B9B looks like.

```
.text, #text, p{  
    color:#004B9B  
}
```

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 #004B9B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #004B9B
}
```

## Border

The CSS property to change the border of an element to Hex 004B9B 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
#004B9B }
```

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

```
.border{ border-color:#004B9B }
```

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

Here you see how a box with a 4 pixel #004B9B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #004B9B; -webkit-box-shadow:4px 4px  
4px 4px #004B9B; box-shadow:4px 4px 4px  
4px #004B9B }
```

# Background

The CSS property to change the background color of an element to Hex 004B9B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#004B9B }
```

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

```
.background{ background-color:#004B9B }
```

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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