

# Converting Colors

Hex(006B9B)

Have a look what the booklet for  
Hex(006B9B) contains.

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# Color

**Hex(006B9B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	006B9B
RGB	0, 107, 155
RGB Percent	0%, 42%, 61%
CMY	1.0000, 0.5804, 0.3922
CMYK	1.00, 0.31, 0.00, 0.39
HSL	199°, 100%, 30%
HSV	199°, 100%, 61%
XYZ	11.1741, 12.8819, 32.9079
YIQ	80.4790, -79.1800, -7.7560

# Conversions

## Conversions Part 2

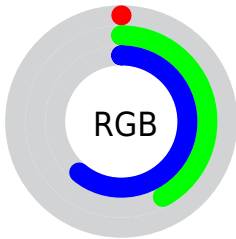
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 63, 155
Decimal	27547
CIELab	42.58, -7.58, -33.21
CIELCh	43, 34.063, 257.143
Yxy	12.8819, 0.1962, 0.2261
Android (android.graphics.Color)	4278217627 (0xFF006B9B)
YUV	80.4790, 36.7389, -70.5801
Hunter-Lab	35.8914, -7.2375, -29.2374

# Details

The Hex color **006B9B** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **9B3000**, and the grayscale version is **505050**.

A 20% lighter version of the original color is **559ED2**, and **003C67** is the 20% darker color. If you saturate the color by 10%, you get **006B9B**, and if you desaturate by 10%, it is **0F709B**.

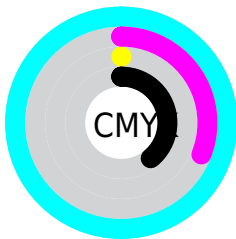
# Distribution



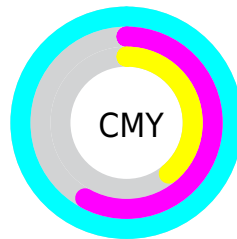
- Red (0%)
- Green (42%)
- Blue (61%)



- Red (0%)
- Yellow (25%)
- Blue (61%)



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (39%)



- Cyan (100%)
- Magenta (58%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 006B9B 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 006B9B by changing the saturation by 10% instead.



 006B9B

 006B9B


FFFFFF

 005381

 559ED2

 003C67

 73B9EE

 00274F


 90D5FF

 001238

 ADF1FF

 000222

 CAFFFF

 000008

 E8FFFF

 000000

 006B9B

 0F709B

■ 1F759B

■ 2F799B

■ 3E7E9B

■ 4E839B

■ 5D889B

■ 6C8D9B

■ 7C919B

■ 8B969B

# Harmonies

## Analogous

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



00718D



006B9B



53629A

# Triad

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



006B9B



9A4E55



456F3D

# Complementary

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



006B9B



9B3000

# 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.



66682D



006B9B



92553C

# Square

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



006B9B



934E72



805F2D



137257

# Rectangle

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



006B9B



705B91



805F2D



516D36



# Sweetspot

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



006B9B



8DB7C9



009B2F



415B66



E6E6E6



666666



# Same Dimension

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



006B9B



008BC9



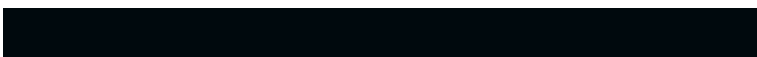
001F9B



454A4D



00618C



00090D



# Inverse Universe

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



9B006B



C9008B



9B7C00



4D454A



8C0061



0D0009



# Previews

## White Background



This preview shows how the Hex color 006B9B looks on a white background.

## Color Contrast Check

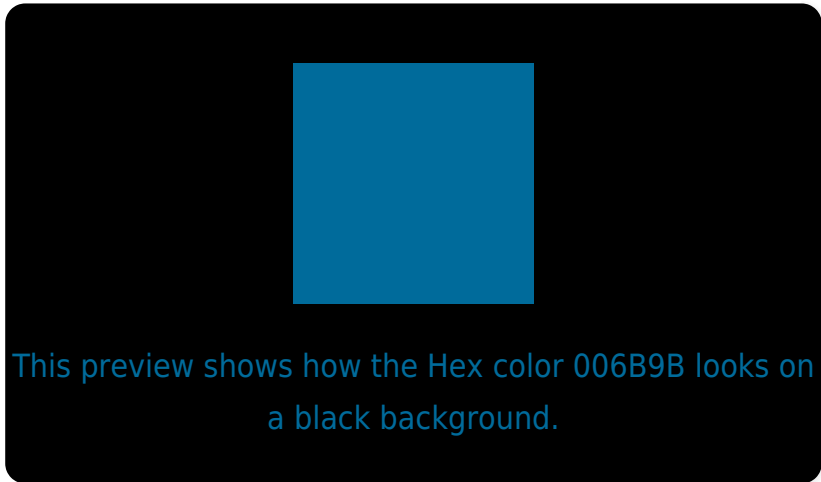
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

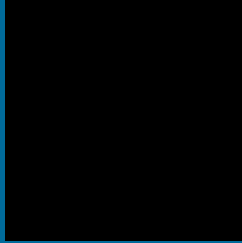
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 006B9B Background



This preview shows how black text looks on a background with the Hex color 006B9B.



This preview shows how white text looks on a background with the Hex color 006B9B.

# Color Blindness Simulation

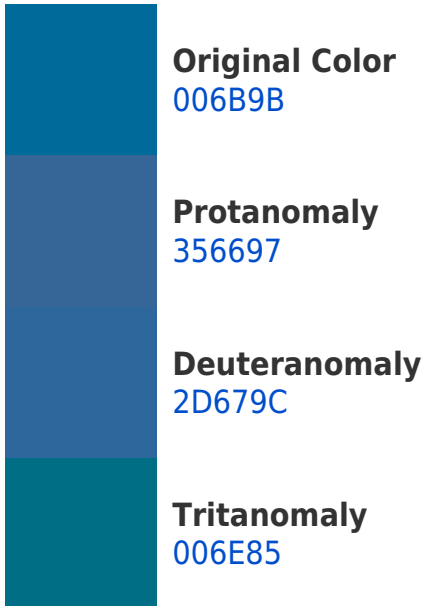
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy





# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 006B9B 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 #006B9B looks like.

```
.text, #text, p{  
    color:#006B9B  
}
```

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 #006B9B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #006B9B
}
```

## Border

The CSS property to change the border of an element to Hex 006B9B 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
#006B9B }
```

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

```
.border{ border-color:#006B9B }
```

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

Here you see how a box with a 4 pixel #006B9B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #006B9B; -webkit-box-shadow:4px 4px  
4px 4px #006B9B; box-shadow:4px 4px 4px  
4px #006B9B }
```

# Background

The CSS property to change the background color of an element to Hex 006B9B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#006B9B }
```

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

```
.background{ background-color:#006B9B }
```

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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