

# Converting Colors

Hex(007D9E)

Have a look what the booklet for  
Hex(007D9E) contains.

<b>Hex(007D9E)</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(007D9E)

# Conversions

## Conversions Part 1

Format	Color
Hex	007D9E
RGB	0, 125, 158
RGB Percent	0%, 49%, 62%
CMY	1.0000, 0.5098, 0.3804
CMYK	1.00, 0.21, 0.00, 0.38
HSL	193°, 100%, 31%
HSV	193°, 100%, 62%
XYZ	13.5052, 17.1359, 34.9435
YIQ	91.3870, -85.0930, -16.2370

# Conversions

## Conversions Part 2

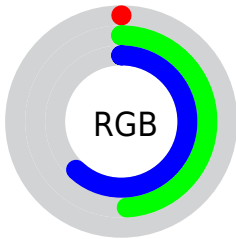
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 70, 158
Decimal	32158
CIELab	48.43, -16.81, -25.84
CIELCh	48, 30.828, 236.959
Yxy	17.1359, 0.2059, 0.2613
Android (android.graphics.Color)	4278222238 (0xFF007D9E)
YUV	91.3870, 32.8402, -80.1464
Hunter-Lab	41.3955, -14.2069, -21.0721

# Details

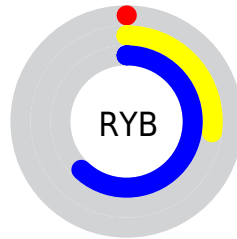
The Hex color **007D9E** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **9E2100**, and the grayscale version is **5B5B5B**.

A 20% lighter version of the original color is **57B2D5**, and **004C6A** is the 20% darker color. If you saturate the color by 10%, you get **007D9E**, and if you desaturate by 10%, it is **10809E**.

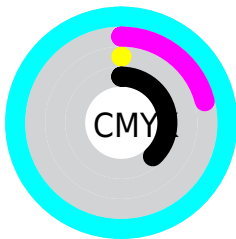
# Distribution



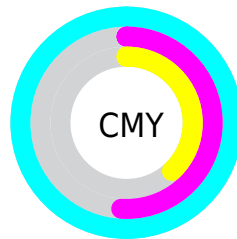
- Red (0%)
- Green (49%)
- Blue (62%)



- Red (0%)
- Yellow (27%)
- Blue (62%)



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (38%)



- Cyan (100%)
- Magenta (51%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 007D9E 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 007D9E by changing the saturation by 10% instead.



007D9E

007D9E

FFFFFF

006484

57B2D5

004C6A

75CDF1

003552

93E9FF

00203B

B0FFFF

000225

CEFFFF

00010E

ECFFFF

000000

007D9E

10809E

 20849E

 2F879E

 3F8A9E

 4F8E9E

 5F919E

 6F949E

 7E979E

 8E9B9E

# Harmonies

## Analogous

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



00808A



007D9E



4676A7

# Triad

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



007D9E



A25F77



6C7943

# Complementary

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



007D9E



9E2100

# 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.



86713E



007D9E



A5605D

# Square

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



007D9E



916490



9A6748



4D7E56

# Rectangle

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



007D9E



6570A5



9A6748



757640



# Sweetspot

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



007D9E



91C2CF



009E20



436169



E8E8E8



696969



# Same Dimension

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



007D9E



00A3CF



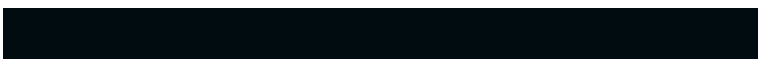
002F9E



474D4F



00718F



000C0F



# Inverse Universe

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



9E007D



CF00A3



9E6F00



4F474D



8F0071



0F000C



# Previews

## White Background



This preview shows how the Hex color 007D9E looks on a white background.

## Color Contrast Check

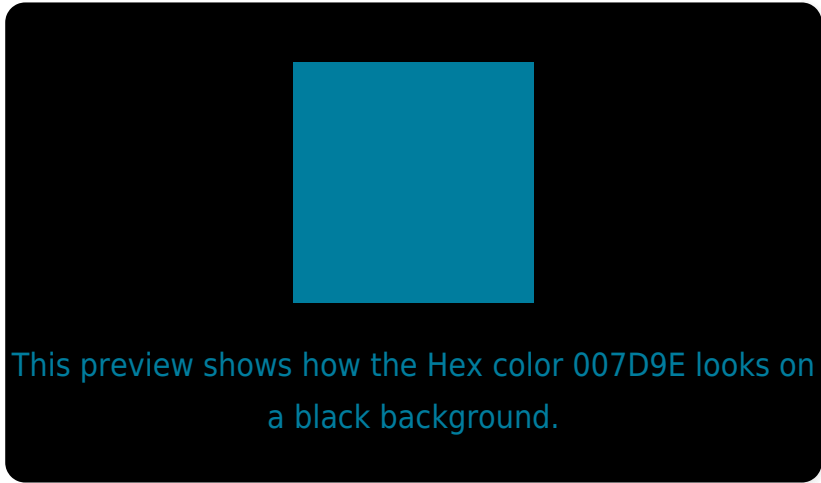
Large Text (above 18pt) WCAG AA ✓ Pass

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

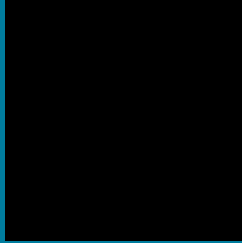
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 007D9E Background



This preview shows how black text looks on a background with the Hex color 007D9E.

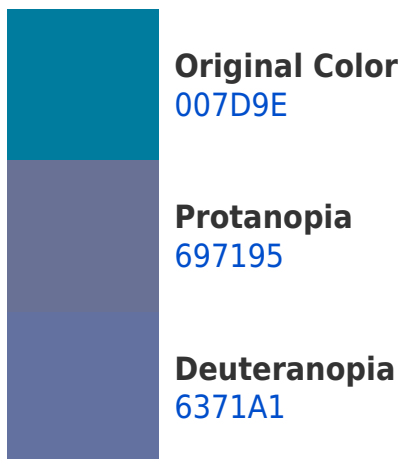


This preview shows how white text looks on a background with the Hex color 007D9E.

# 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**  
007D9E

**Protanomaly**  
437598

**Deuteranomaly**  
3F75A0

**Tritanomaly**  
007F91

# Monochromacy



**Original Color**  
007D9E

**Achromatopsia**  
5B5B5B

**Achromatomaly**  
3A6773

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 007D9E 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 #007D9E looks like.

```
.text, #text, p{  
    color:#007D9E  
}
```

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 #007D9E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #007D9E
}
```

## Border

The CSS property to change the border of an element to Hex 007D9E 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
#007D9E }
```

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

```
.border{ border-color:#007D9E }
```

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

Here you see how a box with a 4 pixel #007D9E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #007D9E; -webkit-box-shadow:4px 4px  
4px 4px #007D9E; box-shadow:4px 4px 4px  
4px #007D9E }
```

# Background

The CSS property to change the background color of an element to Hex 007D9E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#007D9E }
```

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

```
.background{ background-color:#007D9E }
```

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