

# Converting Colors

Hex(009299)

Have a look what the booklet for  
Hex(009299) contains.

<b>Hex(009299)</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(009299)

# Conversions

## Conversions Part 1

Format	Color
Hex	009299
RGB	0, 146, 153
RGB Percent	0%, 57%, 60%
CMY	1.0000, 0.4275, 0.4000
CMYK	1.00, 0.05, 0.00, 0.40
HSL	183°, 100%, 30%
HSV	183°, 100%, 60%
XYZ	16.0287, 22.8577, 33.7042
YIQ	103.1440, -89.2630, -28.7750

# Conversions

## Conversions Part 2

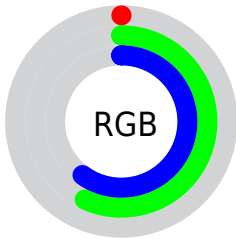
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 75, 153
Decimal	37529
CIELab	54.93, -29.47, -13.01
CIELCh	55, 32.214, 203.813
Yxy	22.8577, 0.2208, 0.3149
Android (android.graphics.Color)	4278227609 (0xFF009299)
YUV	103.1440, 24.5790, -90.4573
Hunter-Lab	47.8097, -23.8232, -8.3306

# Details

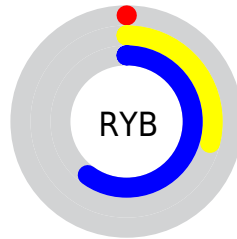
The Hex color **009299** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **990700**, and the grayscale version is **676767**.

A 20% lighter version of the original color is **59C8CF**, and **005F66** is the 20% darker color. If you saturate the color by 10%, you get **009299**, and if you desaturate by 10%, it is **0F9399**.

# Distribution



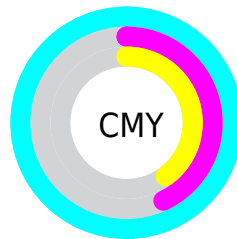
- Red (0%)
- Green (57%)
- Blue (60%)



- Red (0%)
- Yellow (29%)
- Blue (60%)



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (40%)



- Cyan (100%)
- Magenta (43%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Hex color 009299 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 009299 by changing the saturation by 10% instead.



 009299

 009299

FFFFFF

 00787F

 59C8CF

 005F66

 78E5EC

 00474E

 96FFFF

 002F37

 B3FFFF

 001B22

 D1FFFF

 00000A

 EFFFFFFF

 000000

 009299

 0F9399

 1F9399

 2E9499

 3D9599

 4D9599

 5C9699

 6B9799

 7A9899

 8A9899

# Harmonies

## Analogous

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



38927D



009299



168FB0

# Triad

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



009299



A174A5



9B804C

# Complementary

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



009299



990700

# 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.



B07657



009299



B56E8A

# Square

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



009299



7E7EB6



B96F6E



7F894F

# Rectangle

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



009299



3E8BB8



B96F6E



A37D4E



# Sweetspot

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



009299



8BC4C7



009905



406263



E3E3E3



636363



# Same Dimension

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



009299



00BEC7



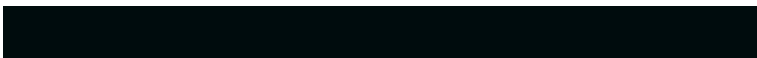
004799



454C4D



00868C



000C0D



# Inverse Universe

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



990092



C700BE



995200



4D454C



8C0086



0D000C



# Previews

## White Background



This preview shows how the Hex color 009299 looks on a white background.

## Color Contrast Check

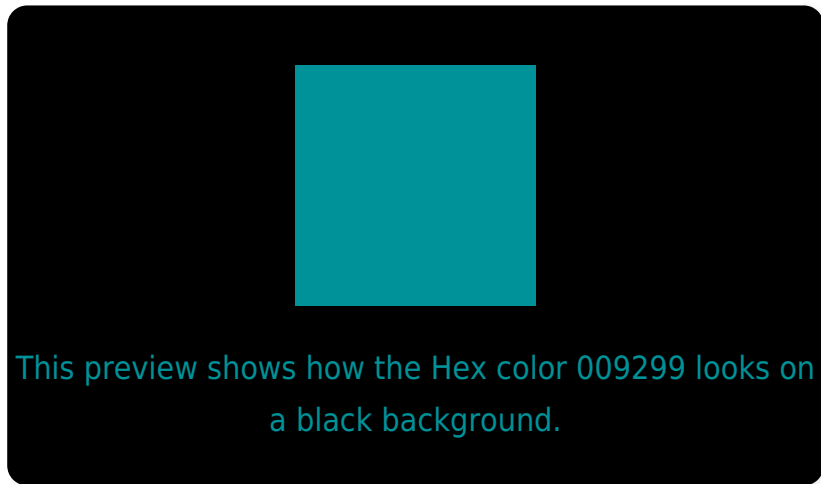
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

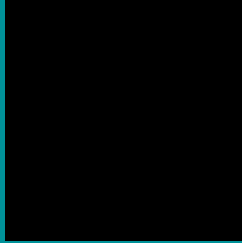
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 009299 Background



This preview shows how black text looks on a background with the Hex color 009299.

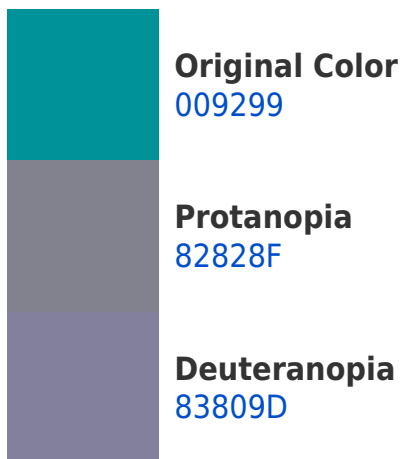


This preview shows how white text looks on a background with the Hex color 009299.

# 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



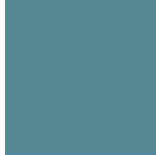


**Tritanopia**  
12919D

# Trichromacy



**Original Color**  
009299



**Protanomaly**  
538893



**Deuteranomaly**  
53879C



**Tritanomaly**  
0B919C

# Monochromacy



**Original Color**  
009299



**Achromatopsia**  
676767



**Achromatomaly**  
427779

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 009299 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 #009299 looks like.

```
.text, #text, p{  
    color:#009299  
}
```

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 #009299 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #009299
}
```

## Border

The CSS property to change the border of an element to Hex 009299 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
#009299 }
```

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

```
.border{ border-color:#009299 }
```

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

Here you see how a box with a 4 pixel #009299 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #009299; -webkit-box-shadow:4px 4px  
4px 4px #009299; box-shadow:4px 4px 4px  
4px #009299 }
```

# Background

The CSS property to change the background color of an element to Hex 009299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#009299 }
```

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

```
.background{ background-color:#009299 }
```

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