

# Converting Colors

Hex(00949C)

Have a look what the booklet for  
Hex(00949C) contains.

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**Color**

**Hex(00949C)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00949C
RGB	0, 148, 156
RGB Percent	0%, 58%, 61%
CMY	1.0000, 0.4196, 0.3882
CMYK	1.00, 0.05, 0.00, 0.39
HSL	183°, 100%, 31%
HSV	183°, 100%, 61%
XYZ	16.5907, 23.5801, 35.1295
YIQ	104.6600, -90.7760, -28.8880

# Conversions

## Conversions Part 2

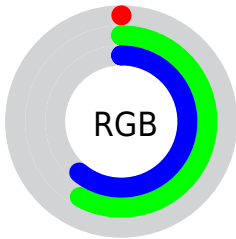
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 76, 156
Decimal	38044
CIELab	55.66, -29.47, -13.61
CIELCh	56, 32.459, 204.795
Yxy	23.5801, 0.2203, 0.3131
Android (android.graphics.Color)	4278228124 (0xFF00949C)
YUV	104.6600, 25.3106, -91.7868
Hunter-Lab	48.5594, -23.9931, -8.9009

# Details

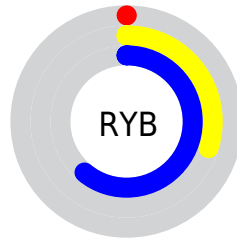
The Hex color **00949C** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9C0800**, and the grayscale version is **686868**.

A 20% lighter version of the original color is **5ACBD2**, and **006169** is the 20% darker color. If you saturate the color by 10%, you get **00949C**, and if you desaturate by 10%, it is **10959C**.

# Distribution



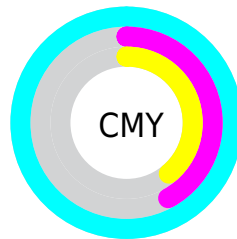
- Red (0%)
- Green (58%)
- Blue (61%)



- Red (0%)
- Yellow (30%)
- Blue (61%)



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (39%)



- Cyan (100%)
- Magenta (42%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 00949C 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 00949C by changing the saturation by 10% instead.



 00949C

 00949C

FFFFFF

 007A82

 5ACBD2

 006169

 79E7EF

 004851

 97FFFF

 00313A

 B4FFFF

 001D24

 D2FFFF

 00010E

 F0FFFF

 000000

 00949C

 10959C

 1F969C

 2F969C

 3E979C

 4E989C

 5E999C

 6D9A9C

 7D9A9C

 8C9B9C

# Harmonies

## Analogous

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



38947F



00949C



1A91B3

# Triad

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



00949C



A476A6



9C824D

# Complementary

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



00949C



9C0800

# 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.



B17858



00949C



B8708B

# Square

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



00949C



8180B8



BC716F



808B51

# Rectangle

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



00949C



418CBB



BC716F



A47F4F



# Sweetspot

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



00949C



8FC9CC



009C08



416466



E6E6E6



666666



# Same Dimension

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



00949C



00C2CC



00469C



474F4F



00878F



000F0F



# Inverse Universe

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



9C0094



CC00C2



9C5600



4F474F



8F0087



0F000F



# Previews

## White Background



This preview shows how the Hex color 00949C looks on a white background.

## Color Contrast Check

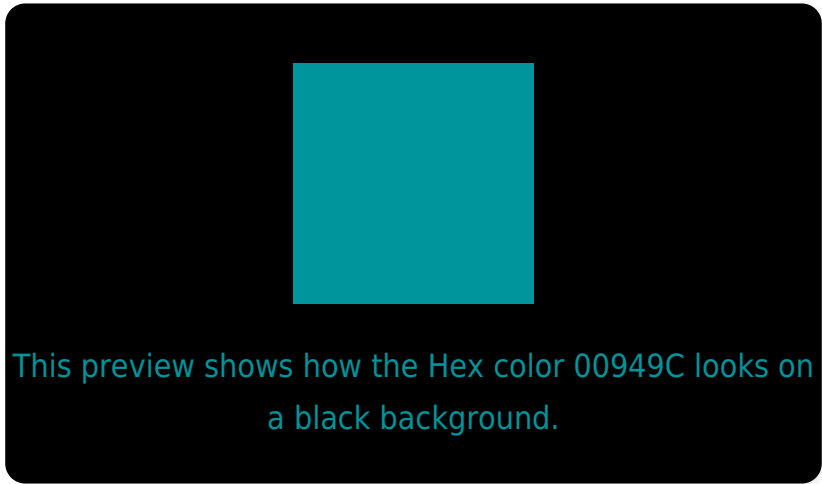
Large Text (above 18pt) WCAG AA ✓ Pass

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

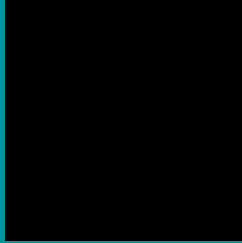
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 00949C Background



This preview shows how black text looks on a background with the Hex color 00949C.

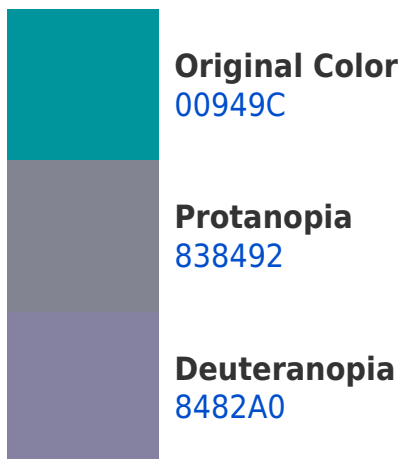


This preview shows how white text looks on a background with the Hex color 00949C.

# 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**  
11939F

# Trichromacy



**Original Color**  
00949C



**Protanomaly**  
538A96



**Deuteranomaly**  
54899F



**Tritanomaly**  
0B939E

# Monochromacy



**Original Color**  
00949C



**Achromatopsia**  
696969



**Achromatomaly**  
43797C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00949C 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 #00949C looks like.

```
.text, #text, p{  
    color:#00949C  
}
```

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 #00949C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00949C
}
```

## Border

The CSS property to change the border of an element to Hex 00949C 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
#00949C }
```

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

```
.border{ border-color:#00949C }
```

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

Here you see how a box with a 4 pixel #00949C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00949C; -webkit-box-shadow:4px 4px  
4px 4px #00949C; box-shadow:4px 4px 4px  
4px #00949C }
```

# Background

The CSS property to change the background color of an element to Hex 00949C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00949C }
```

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

```
.background{ background-color:#00949C }
```

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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