

# Converting Colors

Hex(00959F)

Have a look what the booklet for  
Hex(00959F) contains.

<b>Hex(00959F)</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(00959F)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00959F
RGB	0, 149, 159
RGB Percent	0%, 58%, 62%
CMY	1.0000, 0.4157, 0.3765
CMYK	1.00, 0.06, 0.00, 0.38
HSL	184°, 100%, 31%
HSV	184°, 100%, 62%
XYZ	17.0055, 23.9981, 36.5367
YIQ	105.5890, -92.0140, -28.4780

# Conversions

## Conversions Part 2

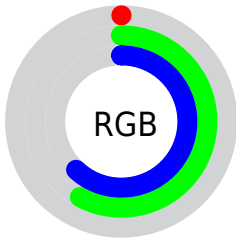
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 77, 159
Decimal	38303
CIELab	56.09, -28.97, -14.69
CIELCh	56, 32.485, 206.894
Yxy	23.9981, 0.2193, 0.3095
Android (android.graphics.Color)	4278228383 (0xFF00959F)
YUV	105.5890, 26.3316, -92.6016
Hunter-Lab	48.9879, -23.7649, -9.9289

# Details

The Hex color **00959F** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9F0A00**, and the grayscale version is **696969**.

A 20% lighter version of the original color is **5BCCD6**, and **00626C** is the 20% darker color. If you saturate the color by 10%, you get **00959F**, and if you desaturate by 10%, it is **10969F**.

# Distribution



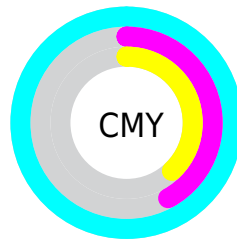
- Red (0%)
- Green (58%)
- Blue (62%)



- Red (0%)
- Yellow (30%)
- Blue (62%)



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (38%)




- Cyan (100%)
- Magenta (42%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Hex color 00959F 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 00959F by changing the saturation by 10% instead.



 00959F

 00959F

FFFFFF

 007B85

 5BCCD6

 00626C

 7AE8F2

 004953

 97FFFF

 00323C

 B5FFFF

 001F26

 D3FFFF

 000112

 F1FFFF

 000000

 00959F

 10969F

 20979F

 30989F

 40999F

 509A9F

 5F9B9F

 6F9C9F

 7F9D9F

 8F9E9F

# Harmonies

## Analogous

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



369582



00959F



2091B5

# Triad

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



00959F



A776A6



9C844E

# Complementary

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



00959F



9F0A00

# 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.



B17A58



00959F



BA718B

# Square

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



00959F



8580B9



BD726E



7F8C53

# Rectangle

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



00959F



468DBD



BD726E



A4804F



# Sweetspot

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



00959F



91CBCF



009F08



436669



E8E8E8



696969



# Same Dimension

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



00959F



00C2CF



00489F



474F4F



00868F



000E0F



# Inverse Universe

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



9F0095



CF00C2



9F5700



4F474F



8F0086



0F000E



# Previews

## White Background



This preview shows how the Hex color 00959F looks on a white background.

## Color Contrast Check

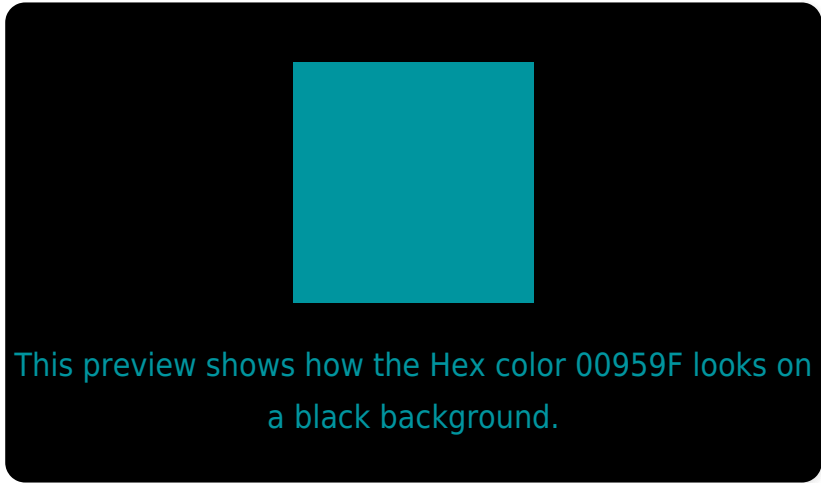
Large Text (above 18pt) WCAG AA ✓ Pass

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

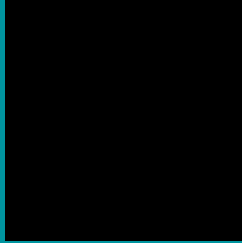
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 00959F Background



This preview shows how black text looks on a background with the Hex color 00959F.

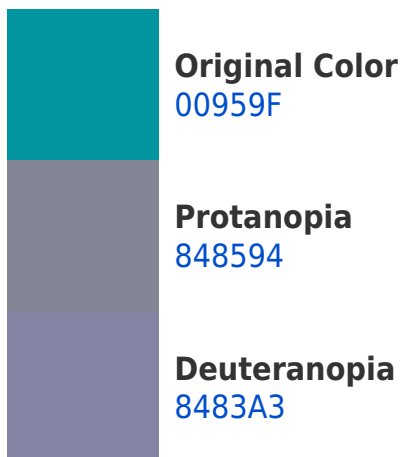


This preview shows how white text looks on a background with the Hex color 00959F.

# 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**  
0C95A1

# Trichromacy



**Original Color**  
00959F



**Protanomaly**  
548B98



**Deuteranomaly**  
548AA2



**Tritanomaly**  
0895A0

# Monochromacy



**Original Color**  
00959F



**Achromatopsia**  
6A6A6A



**Achromatomaly**  
437A7D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 00959F 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 #00959F looks like.

```
.text, #text, p{  
    color:#00959F  
}
```

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 #00959F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #00959F
}
```

## Border

The CSS property to change the border of an element to Hex 00959F 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
#00959F }
```

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

```
.border{ border-color:#00959F }
```

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

Here you see how a box with a 4 pixel #00959F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #00959F; -webkit-box-shadow:4px 4px  
4px 4px #00959F; box-shadow:4px 4px 4px  
4px #00959F }
```

# Background

The CSS property to change the background color of an element to Hex 00959F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#00959F }
```

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

```
.background{ background-color:#00959F }
```

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