

# Converting Colors

Hex(01857F)

Have a look what the booklet for  
Hex(01857F) contains.

<b>Hex(01857F)</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(01857F)**

# Conversions

## Conversions Part 1

Format	Color
Hex	01857F
RGB	1, 133, 127
RGB Percent	0%, 52%, 50%
CMY	0.9961, 0.4784, 0.5020
CMYK	0.99, 0.00, 0.05, 0.48
HSL	177°, 99%, 26%
HSV	177°, 99%, 52%
XYZ	12.2308, 18.3138, 22.9690
YIQ	92.8480, -76.7460, -29.8500

# Conversions

## Conversions Part 2

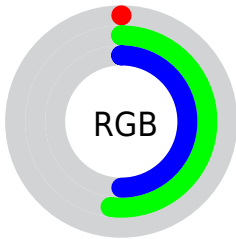
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	1, 69, 133
Decimal	99711
CIE <sub>Lab</sub>	49.87, -31.51, -5.48
CIE <sub>LCh</sub>	50, 31.984, 189.867
Yxy	18.3138, 0.2286, 0.3422
Android (android.graphics.Color)	4278289791 (0xFF01857F)
YUV	92.8480, 16.8369, -80.5507
Hunter-Lab	42.7946, -23.8749, -1.8662

# Details

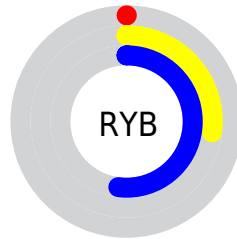
The Hex color **01857F** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **850107**, and the grayscale version is **5D5D5D**.

A 20% lighter version of the original color is **54BBB4**, and **00534E** is the 20% darker color. If you saturate the color by 10%, you get **00857F**, and if you desaturate by 10%, it is **0E8580**.

# Distribution



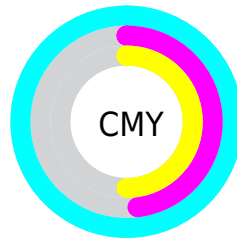
- Red (0%)
- Green (52%)
- Blue (50%)



- Red (0%)
- Yellow (27%)
- Blue (52%)



- Cyan (99%)
- Magenta (0%)
- Yellow (5%)
- Black (48%)




- Cyan (100%)
- Magenta (48%)
- Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the Hex color 01857F 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 01857F by changing the saturation by 10% instead.



 01857F


 01857F

FFFFFF

 006B66

 54BBB4

 00534E

 71D7CF

 003B37

 8EF3EB

 002522

 ABFFFF


 00010D

 C8FFFF

 000000

 E6FFFF

 01857F

 01857F

 00857F

 0E8580

■ 1C8580

■ 298581

■ 368581

■ 448582

■ 518583

■ 5E8583

■ 6B8584

■ 798584

# Harmonies

## Analogous

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



3E8463



01857F



008399

# Triad

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



01857F



856CA0



976F44

# Complementary

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



01857F



850107

# 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.



A76655



01857F



A0648A

# Square

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



01857F



5D76AC



AB616F



7F7840

# Rectangle

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



01857F



0381A5



AB616F



9E6B48



# Sweetspot

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



01857F



79ADAB



088501



375755



D6D6D6



575757



# Same Dimension

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



01857F



00ADA6



014A85



3C4242



00827C



000302



# Inverse Universe

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



850107



AD0008



853C01



423C3C



820006



030000



# Previews

## White Background



This preview shows how the Hex color 01857F looks on a white background.

## Color Contrast Check

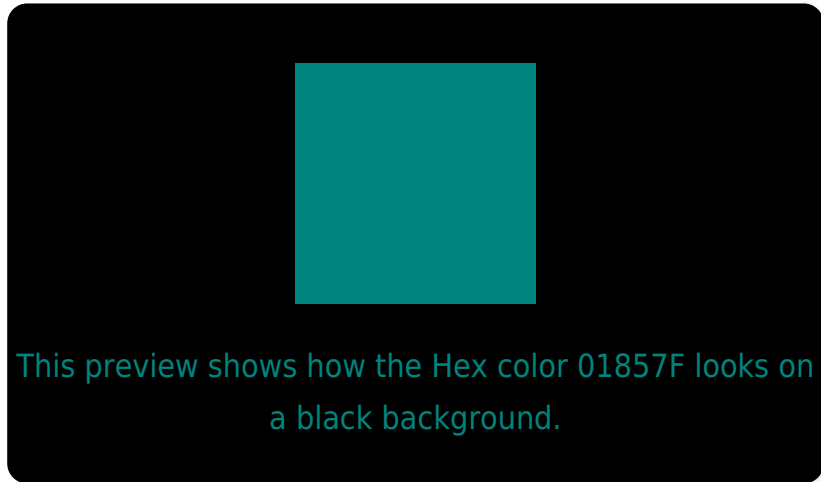
Large Text (above 18pt) WCAG AA ✓ Pass

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 ✓ 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 01857F Background



This preview shows how black text looks on a background with the Hex color 01857F.

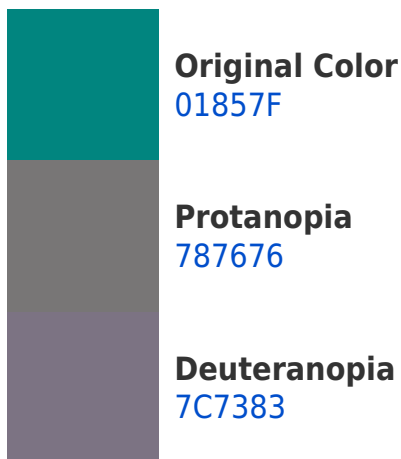


This preview shows how white text looks on a background with the Hex color 01857F.

# 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**  
1D838D

# Trichromacy



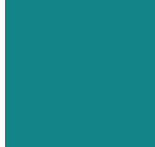
**Original Color**  
01857F



**Protanomaly**  
4D7B79



**Deuteranomaly**  
4F7A82



**Tritanomaly**  
138488

# Monochromacy



**Original Color**  
01857F



**Achromatopsia**  
5D5D5D



**Achromatomaly**  
3C6C69

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 01857F 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 #01857F looks like.

```
.text, #text, p{  
  color:#01857F  
}
```

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 #01857F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #01857F
}
```

## Border

The CSS property to change the border of an element to Hex 01857F 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
#01857F }
```

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

```
.border{ border-color:#01857F }
```

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

Here you see how a box with a 4 pixel #01857F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #01857F; -webkit-box-shadow:4px 4px  
4px 4px #01857F; box-shadow:4px 4px 4px  
4px #01857F }
```

# Background

The CSS property to change the background color of an element to Hex 01857F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#01857F }
```

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

```
.background{ background-color:#01857F }
```

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