

Converting Colors

Hex(009C7B)

Have a look what the booklet for
Hex(009C7B) contains.

Hex(009C7B)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(009C7B)

Conversions

Conversions Part 1

Format	Color
Hex	009C7B
RGB	0, 156, 123
RGB Percent	0%, 61%, 48%
CMY	1.0000, 0.3882, 0.5176
CMYK	1.00, 0.00, 0.21, 0.39
HSL	167°, 100%, 31%
HSV	167°, 100%, 61%
XYZ	15.4636, 25.2070, 22.7893
YIQ	105.5940, -82.3830, -43.3350

Conversions

Conversions Part 2

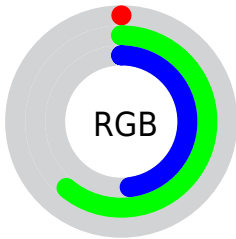
Format	Color
RYB	0, 87, 156
Decimal	40059
CIELab	57.28, -42.89, 7.59
CIELCh	57, 43.557, 169.961
Yxy	25.2070, 0.2437, 0.3972
Android (android.graphics.Color)	4278230139 (0xFF009C7B)
YUV	105.5940, 8.5812, -92.6059
Hunter-Lab	50.2066, -32.8835, 8.2322

Details

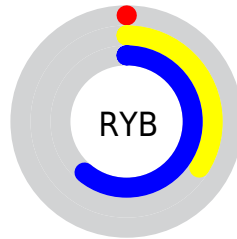
The Hex color **009C7B** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **9C0021**, and the grayscale version is **6A6A6A**.

A 20% lighter version of the original color is **58D3AF**, and **00684A** is the 20% darker color. If you saturate the color by 10%, you get **009C7B**, and if you desaturate by 10%, it is **109C7E**.

Distribution



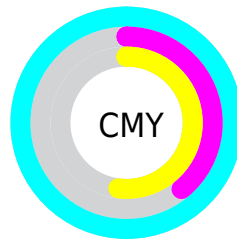
- Red (0%)
- Green (61%)
- Blue (48%)



- Red (0%)
- Yellow (34%)
- Blue (61%)



- Cyan (100%)
- Magenta (0%)
- Yellow (21%)
- Black (39%)




- Cyan (100%)
- Magenta (39%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Hex color 009C7B 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 009C7B by changing the saturation by 10% instead.

 009C7B

 009C7B

FFFFFF

 008162

 58D3AF

 00684A

 77F0CB

 004F34

 94FFE7

 00361F

 B2FFFF

 002107

 CFFFFFF

 000000

 EDFFFF

 009C7B

 109C7E

 1F9C82

 2F9C85

 3E9C88

 4E9C8C

 5E9C8F

 6D9C92

 7D9C95

 8C9C99

Harmonies

Analogous

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



5B9857



009C7B



009DA2

Triad

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



009C7B



7885D1



C57551

Complementary

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



009C7B



9C0021

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.



D16B72



009C7B



AC76BB

Square

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



009C7B



1091D4



C96B98



AB833D

Rectangle

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



009C7B



009BB9



C96B98



CB715B

Sweetspot

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



009C7B



8FCCBF



229C00



41665E



E6E6E6



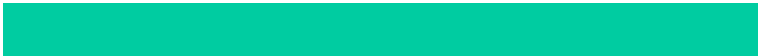
666666

Same Dimension

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



009C7B



00CCA1



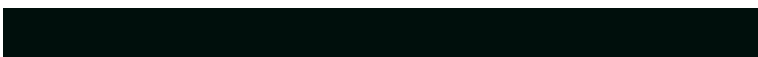
00709C



474F4D



008F71



000F0C

Inverse Universe

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



9C0021



CC002B



9C2C00



4F4749



8F001E



0F0003

Previews

White Background



This preview shows how the Hex color 009C7B looks on a white background.

Color Contrast Check

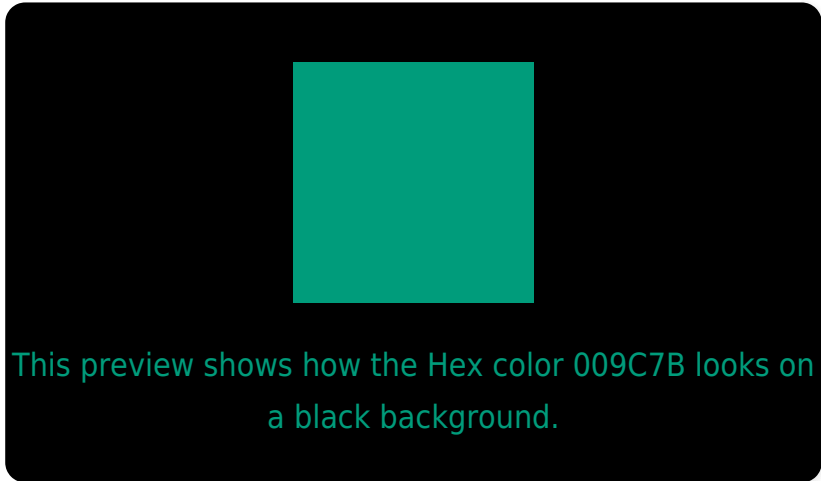
Large Text (above 18pt) WCAG AA ✓ Pass

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

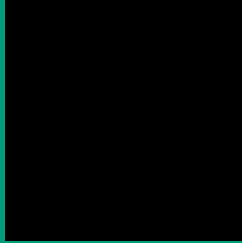
Any Text WCAG AA ✓ Pass

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 009C7B Background



This preview shows how black text looks on a background with the Hex color 009C7B.

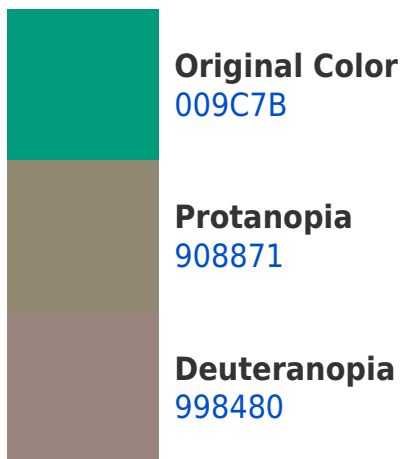


This preview shows how white text looks on a background with the Hex color 009C7B.

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
3097A3

Trichromacy



Original Color
009C7B



Protanomaly
5C8F75



Deuteranomaly
618D7E



Tritanomaly
1F9994

Monochromacy



Original Color
009C7B



Achromatopsia
6A6A6A



Achromatomaly
437C70

CSS Examples

Text

The CSS property to change the color of the text to Hex 009C7B 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 #009C7B looks like.

```
.text, #text, p{  
    color:#009C7B  
}
```

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 #009C7B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #009C7B
}
```

Border

The CSS property to change the border of an element to Hex 009C7B 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
#009C7B }
```

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

```
.border{ border-color:#009C7B }
```

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

Here you see how a box with a 4 pixel #009C7B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #009C7B; -webkit-box-shadow:4px 4px  
4px 4px #009C7B; box-shadow:4px 4px 4px  
4px #009C7B }
```

Background

The CSS property to change the background color of an element to Hex 009C7B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#009C7B }
```

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

```
.background{ background-color:#009C7B }
```

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