

Converting Colors

Hex(009D87)

Have a look what the booklet for
Hex(009D87) contains.

Hex(009D87)	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(009D87)

Conversions

Conversions Part 1

Format	Color
Hex	009D87
RGB	0, 157, 135
RGB Percent	0%, 62%, 53%
CMY	1.0000, 0.3843, 0.4706
CMYK	1.00, 0.00, 0.14, 0.38
HSL	172°, 100%, 31%
HSV	172°, 100%, 62%
XYZ	16.4301, 25.8632, 27.0478
YIQ	107.5490, -86.5100, -40.1260

Conversions

Conversions Part 2

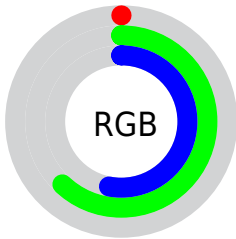
Format	Color
RYB	0, 84, 157
Decimal	40327
CIELab	57.91, -40.04, 1.70
CIELCh	58, 40.071, 177.567
Yxy	25.8632, 0.2369, 0.3730
Android (android.graphics.Color)	4278230407 (0xFF009D87)
YUV	107.5490, 13.5333, -94.3205
Hunter-Lab	50.8559, -31.3293, 4.0656

Details

The Hex color **009D87** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9D0016**, and the grayscale version is **6B6B6B**.

A 20% lighter version of the original color is **59D4BC**, and **006955** is the 20% darker color. If you saturate the color by 10%, you get **009D87**, and if you desaturate by 10%, it is **109D89**.

Distribution



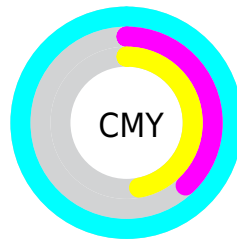
- Red (0%)
- Green (62%)
- Blue (53%)



- Red (0%)
- Yellow (33%)
- Blue (62%)



- Cyan (100%)
- Magenta (0%)
- Yellow (14%)
- Black (38%)



- Cyan (100%)
- Magenta (38%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Hex color 009D87 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 009D87 by changing the saturation by 10% instead.

 009D87

 009D87


FFFFFF

 00826E

 59D4BC

 006955

 78F1D8

 00503E

 96FFF4

 003829

 B3FFF4

 002314

 D1FFF4

 000000

 EFFFFFF

 009D87

 109D89

 1F9D8B

 2F9D8E

 3F9D90

 4F9D92

 5E9D94

 6E9D96

 7E9D99

 8D9D9B

Harmonies

Analogous

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



559A64



009D87



009DAA

Triad

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



009D87



8A83C9



BE7C51

Complementary

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



009D87



9D0016

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.



CD716D



009D87



B476B1

Square

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



009D87



4A90D1



CA6F8F



A38844

Rectangle

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



009D87



009ABE



CA6F8F



C57859

Sweetspot

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



009D87



8FCCC3



189D00



416661



E6E6E6



666666

Same Dimension

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



009D87



00CCAF



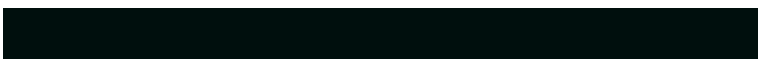
00669D



474F4E



008F7B



000F0D

Inverse Universe

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



9D0016



CC001D



9D3700



4F4748



8F0014



0F0002

Previews

White Background



This preview shows how the Hex color 009D87 looks on a white background.

Color Contrast Check

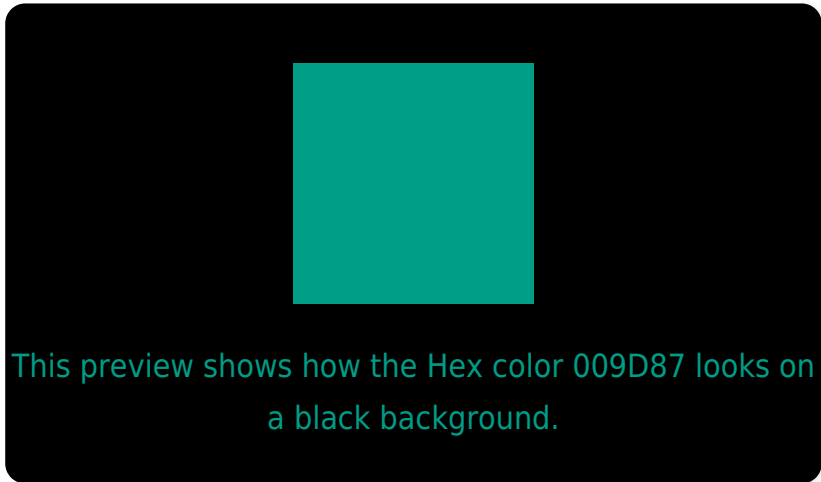
Large Text (above 18pt) WCAG AA ✓ Pass

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

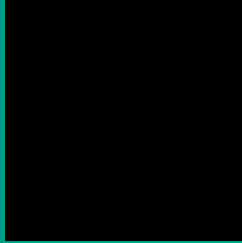
Any Text WCAG AA ✓ Pass

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 009D87 Background



This preview shows how black text looks on a background with the Hex color 009D87.

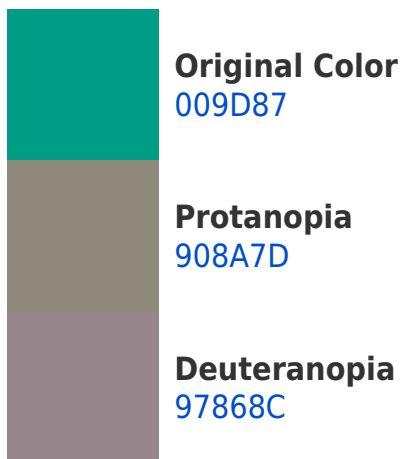


This preview shows how white text looks on a background with the Hex color 009D87.

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
2B99A5

Trichromacy



Original Color
009D87



Protanomaly
5C9181



Deuteranomaly
608E8A



Tritanomaly
1B9A9A

Monochromacy



Original Color
009D87



Achromatopsia
6C6C6C



Achromatomaly
457E76

CSS Examples

Text

The CSS property to change the color of the text to Hex 009D87 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 #009D87 looks like.

```
.text, #text, p{  
    color:#009D87  
}
```

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 #009D87 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #009D87
}
```

Border

The CSS property to change the border of an element to Hex 009D87 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
#009D87 }
```

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

```
.border{ border-color:#009D87 }
```

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

Here you see how a box with a 4 pixel #009D87 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #009D87; -webkit-box-shadow:4px 4px  
4px 4px #009D87; box-shadow:4px 4px 4px  
4px #009D87 }
```

Background

The CSS property to change the background color of an element to Hex 009D87 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#009D87 }
```

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

```
.background{ background-color:#009D87 }
```

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