

# Converting Colors

Hex(009A90)

Have a look what the booklet for  
Hex(009A90) contains.

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**Color**

**Hex(009A90)**

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 009A90                       |
| RGB         | 0, 154, 144                  |
| RGB Percent | 0%, 60%, 56%                 |
| CMY         | 1.0000, 0.3961, 0.4353       |
| CMYK        | 1.00, 0.00, 0.06, 0.40       |
| HSL         | 176°, 100%, 30%              |
| HSV         | 176°, 100%, 60%              |
| XYZ         | 16.5896, 25.1248, 30.3608    |
| YIQ         | 106.8140, -88.5740, -35.7580 |

# Conversions

## Conversions Part 2

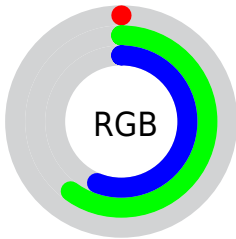
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>RYB</b>                          | 0, 80, 154                     |
| Decimal                             | 39568                          |
| CIELab                              | 57.20, -36.08, -4.46           |
| CIELCh                              | 57, 36.350, 187.048            |
| Yxy                                 | 25.1248, 0.2302,<br>0.3486     |
| Android<br>(android.graphics.Color) | 4278229648<br>(0xFF009A90)     |
| YUV                                 | 106.8140, 18.3327,<br>-93.6759 |
| Hunter-Lab                          | 50.1247, -28.6404,<br>-0.8250  |

# Details

The Hex color **009A90** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9A000A**, and the grayscale version is **6B6B6B**.

A 20% lighter version of the original color is **5AD1C6**, and **00665E** is the 20% darker color. If you saturate the color by 10%, you get **009A90**, and if you desaturate by 10%, it is **0F9A91**.

# Distribution



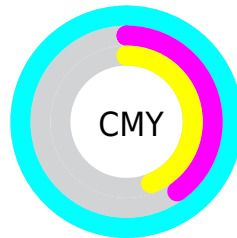
- Red (0%)
- Green (60%)
- Blue (56%)



- Red (0%)
- Yellow (31%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (6%)
- Black (40%)



- Cyan (100%)
- Magenta (40%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 009A90 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 009A90 by changing the saturation by 10% instead.



 009A90

 009A90

FFFFFF

 008076

 5AD1C6

 00665E

 78EEE2

 004D46

 96FFFE

 003630

 B4FFFF

 00211B

 D1FFFF

 000000

 EFFFFFF

 009A90

 0F9A91

 1F9A92

 2E9A93

 3E9A94

 4D9A95

 5C9A96

 6C9A97

 7B9A98

 8B9A99

# Harmonies

## Analogous

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



4B9870



009A90



0099AF

# Triad

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



009A90



967EBC



B27F4F

# Complementary

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



009A90



9A000A

# 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.



C37565



009A90



B774A3

# Square

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



009A90



658AC8



C67083



968A49

# Rectangle

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



009A90



0095BE



C67083



B97B55



# Sweetspot

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



009A90



8DC9C6



0A9A00



416664



E6E6E6



666666

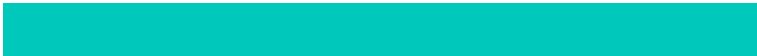


# Same Dimension

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



009A90



00C9BC



00579A



454D4C



008C83



000D0C



# Inverse Universe

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



9A000A



C9000D



9A4300



4D4545



8C0009



0D0001



# Previews

## White Background



This preview shows how the Hex color 009A90 looks on a white background.

## Color Contrast Check

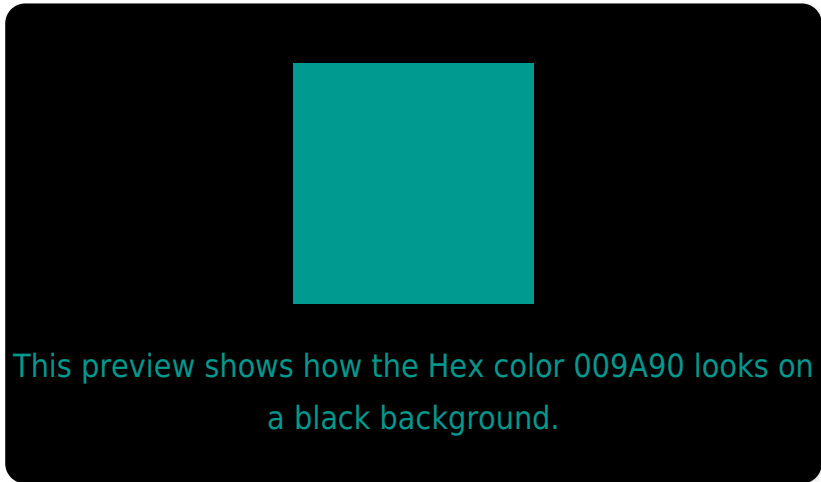
Large Text (above 18pt) WCAG AA ✓ Pass

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

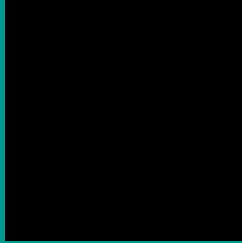
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 009A90 Background



This preview shows how black text looks on a background with the Hex color 009A90.

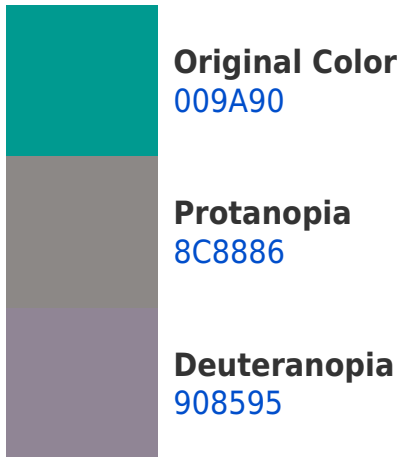


This preview shows how white text looks on a background with the Hex color 009A90.

# 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**  
2497A3

# Trichromacy



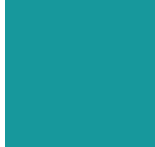
**Original Color**  
009A90



**Protanomaly**  
598F8A



**Deuteranomaly**  
5C8D93



**Tritanomaly**  
17989C

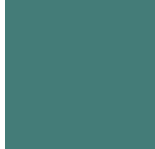
# Monochromacy



**Original Color**  
009A90



**Achromatopsia**  
6B6B6B



**Achromatomaly**  
447C78

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 009A90 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 #009A90 looks like.

```
.text, #text, p{  
    color:#009A90  
}
```

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 #009A90 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #009A90
}
```

## Border

The CSS property to change the border of an element to Hex 009A90 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
#009A90 }
```

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

```
.border{ border-color:#009A90 }
```

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

Here you see how a box with a 4 pixel #009A90 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #009A90; -webkit-box-shadow:4px 4px  
4px 4px #009A90; box-shadow:4px 4px 4px  
4px #009A90 }
```

# Background

The CSS property to change the background color of an element to Hex 009A90 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#009A90 }
```

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

```
.background{ background-color:#009A90 }
```

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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