

# Converting Colors

Hex(009689)

Have a look what the booklet for  
Hex(009689) contains.

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**Color**

**Hex(009689)**

# Conversions

## Conversions Part 1

Format	Color
Hex	009689
RGB	0, 150, 137
RGB Percent	0%, 59%, 54%
CMY	1.0000, 0.4118, 0.4627
CMYK	1.00, 0.00, 0.09, 0.41
HSL	175°, 100%, 29%
HSV	175°, 100%, 59%
XYZ	15.4217, 23.6188, 27.4130
YIQ	103.6680, -85.2270, -35.8430

# Conversions

## Conversions Part 2

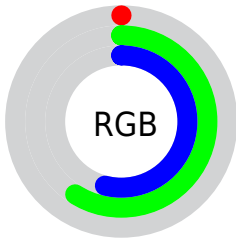
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 78, 150
Decimal	38537
CIELab	55.70, -36.36, -2.66
CIELCh	56, 36.457, 184.185
Yxy	23.6188, 0.2321, 0.3554
Android (android.graphics.Color)	4278228617 (0xFF009689)
YUV	103.6680, 16.4327, -90.9168
Hunter-Lab	48.5992, -28.4063, 0.5762

# Details

The Hex color **009689** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **96000D**, and the grayscale version is **686868**.

A 20% lighter version of the original color is **58CDBE**, and **006257** is the 20% darker color. If you saturate the color by 10%, you get **009689**, and if you desaturate by 10%, it is **0F968A**.

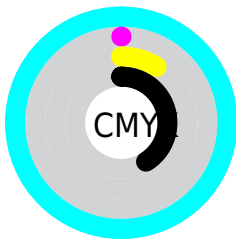
# Distribution



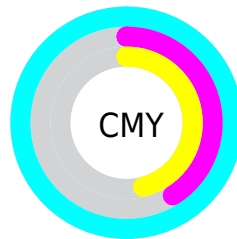
- Red (0%)
- Green (59%)
- Blue (54%)



- Red (0%)
- Yellow (31%)
- Blue (59%)



- Cyan (100%)
- Magenta (0%)
- Yellow (9%)
- Black (41%)



- Cyan (100%)
- Magenta (41%)
- Yellow (46%)


# Brightness & Saturation Gradients

These gradients show how the Hex color 009689 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 009689 by changing the saturation by 10% instead.




 009689

 009689

FFFFFF

 007C70

 58CDBE

 006257

 76E9DA

 004A40

 94FFF7

 00322A

 B1FFF7

 001D16

 CFFFFFF

 000000

 EDFFFF

 009689

 0F968A

 1E968C

 2D968D

 3C968E

 4B9690

 5A9691

 699692

 789693

 879695

# Harmonies

## Analogous

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



4C9469



009689



0095A8

# Triad

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



009689



8E7CBA



B07A4D

# Complementary

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



009689



96000D

# 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.



C07064



009689



B171A2

# Square

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



009689



5B87C4



C16C82



958545

# Rectangle

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



009689



0092B8



C16C82



B67653



# Sweetspot

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



009689



88C2BD



0F9600



3E615E



E0E0E0



616161



# Same Dimension

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



009689



00C2B1



005A96



434A49



008A7E



000A09



# Inverse Universe

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



96000D



C20011



963C00



4A4343



8A000C



0A0001



# Previews

## White Background



This preview shows how the Hex color 009689 looks on a white background.

## Color Contrast Check

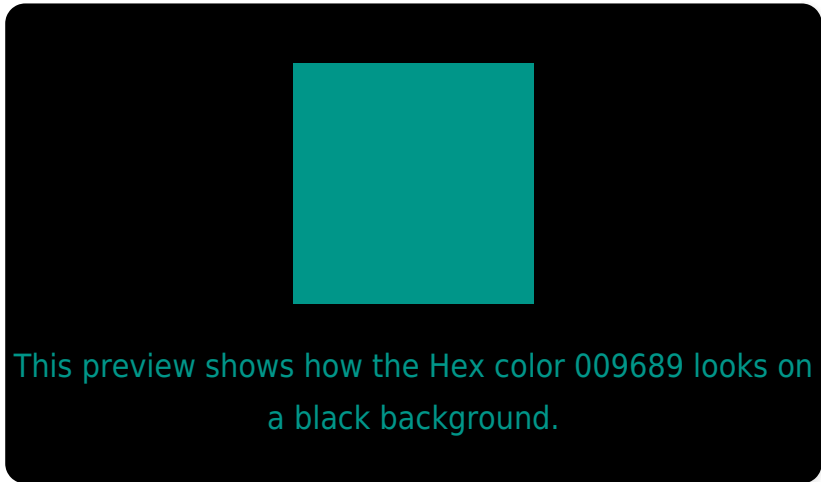
Large Text (above 18pt) WCAG AA ✓ Pass

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

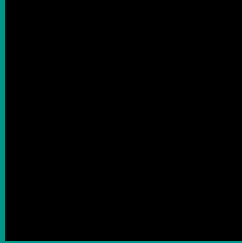
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 009689 Background



This preview shows how black text looks on a background with the Hex color 009689.

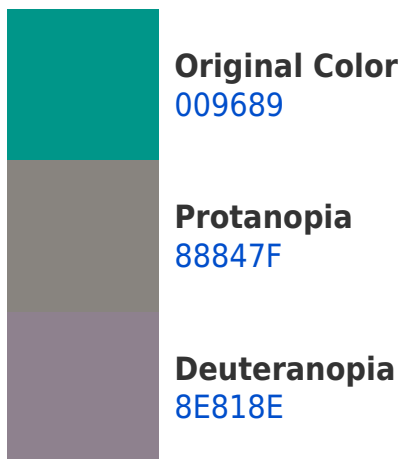


This preview shows how white text looks on a background with the Hex color 009689.

# 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**  
25939F

# Trichromacy



**Original Color**  
009689



**Protanomaly**  
578B83



**Deuteranomaly**  
5A898C



**Tritanomaly**  
189497

# Monochromacy



**Original Color**  
009689



**Achromatopsia**  
686868



**Achromatomaly**  
427974

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 009689 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 #009689 looks like.

```
.text, #text, p{  
    color:#009689  
}
```

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 #009689 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #009689
}
```

## Border

The CSS property to change the border of an element to Hex 009689 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
#009689 }
```

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

```
.border{ border-color:#009689 }
```

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

Here you see how a box with a 4 pixel #009689 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #009689; -webkit-box-shadow:4px 4px  
4px 4px #009689; box-shadow:4px 4px 4px  
4px #009689 }
```

# Background

The CSS property to change the background color of an element to Hex 009689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#009689 }
```

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

```
.background{ background-color:#009689 }
```

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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