

# Converting Colors

Hex(09A877)

Have a look what the booklet for  
Hex(09A877) contains.

<b>Hex(09A877)</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(09A877)**

# Conversions

## Conversions Part 1

Format	Color
Hex	09A877
RGB	9, 168, 119
RGB Percent	4%, 66%, 47%
CMY	0.9647, 0.3412, 0.5333
CMYK	0.95, 0.00, 0.29, 0.34
HSL	162°, 90%, 35%
HSV	162°, 95%, 66%
XYZ	17.4451, 29.3952, 22.2072
YIQ	114.8730, -79.0350, -48.9470

# Conversions

## Conversions Part 2

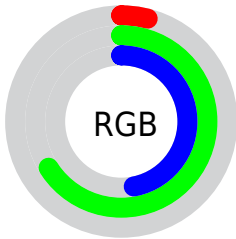
<b>Format</b>	<b>Color</b>
<b>RYB</b>	9, 103, 168
Decimal	632951
CIELab	61.13, -48.30, 15.25
CIELCh	61, 50.653, 162.473
Yxy	29.3952, 0.2527, 0.4257
Android (android.graphics.Color)	4278823031 (0xFF09A877)
YUV	114.8730, 2.0346, -92.8506
Hunter-Lab	54.2174, -37.4460, 13.6673

# Details

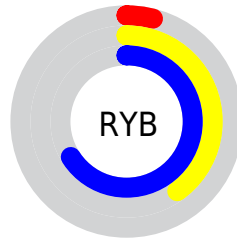
The Hex color **09A877** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **A8093A**, and the grayscale version is **737373**.

A 20% lighter version of the original color is **5DE0AB**, and **007346** is the 20% darker color. If you saturate the color by 10%, you get **00A874**, and if you desaturate by 10%, it is **1AA87C**.

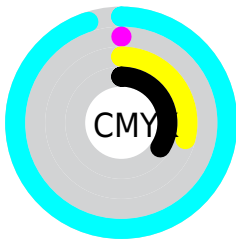
# Distribution



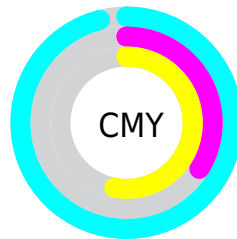
- Red (4%)
- Green (66%)
- Blue (47%)



- Red (4%)
- Yellow (40%)
- Blue (66%)



- Cyan (95%)
- Magenta (0%)
- Yellow (29%)
- Black (34%)



- Cyan (96%)
- Magenta (34%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 09A877 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 09A877 by changing the saturation by 10% instead.



 09A877

 09A877

FFFFFF

 008D5E

 5DE0AB

 007346

 7CFDC7

 005930

 9AFFE3

 00401A

 B7FFFF

 002B01

 D5FFFF

 000800

 F3FFFF

 000000

 09A877

 09A877

 00A874

 1AA87C

 2BA881

 3BA887

 4CA88C

 5DA891

 6EA896

 7FA89B

 8FA8A0

 A0A8A6

# Harmonies

## Analogous

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



69A24E



09A877



00AAA5

# Triad

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



09A877



6692EB



DE7759

# Complementary

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



09A877



A8093A

# 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.



E76C83



09A877



AF80D6

# Square

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



09A877



00A0E8



D870B0



C3883C

# Rectangle

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



09A877



00A9C2



D870B0



E37266



# Sweetspot

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



09A877



9EDBC8



3BA809



486E62



EDEDED



6E6E6E



# Same Dimension

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



09A877



00DB98



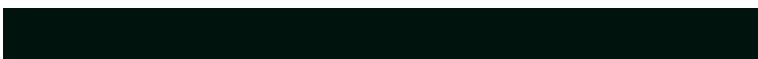
098BA8



4C5452



009466



00140E



# Inverse Universe

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



A8093A



DB0044



A82609



544C4E



94002E



140006



# Previews

## White Background



This preview shows how the Hex color 09A877 looks on a white background.

## Color Contrast Check

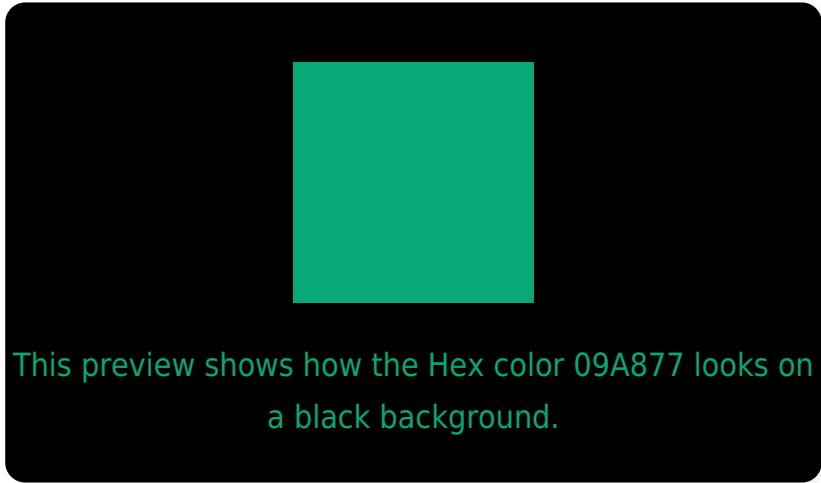
Large Text (above 18pt) WCAG AA ✓ Pass

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

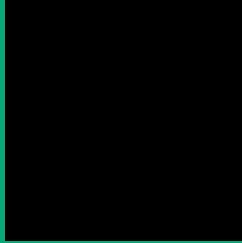
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 09A877 Background



This preview shows how black text looks on a background with the Hex color 09A877.



This preview shows how white text looks on a background with the Hex color 09A877.

# 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



**Original Color**  
09A877

**Protanopia**  
9D926D

**Deuteranopia**  
A88D7D



**Tritanopia**  
39A1AE

# Trichromacy



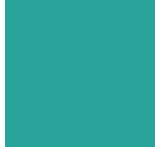
**Original Color**  
09A877



**Protanomaly**  
679A71



**Deuteranomaly**  
6E977B



**Tritanomaly**  
28A49A

# Monochromacy



**Original Color**  
09A877



**Achromatopsia**  
737373



**Achromatomaly**  
4C8674

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 09A877 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 #09A877 looks like.

```
.text, #text, p{  
    color:#09A877  
}
```

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 #09A877 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #09A877
}
```

## Border

The CSS property to change the border of an element to Hex 09A877 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
#09A877 }
```

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

```
.border{ border-color:#09A877 }
```

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

Here you see how a box with a 4 pixel #09A877 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #09A877; -webkit-box-shadow:4px 4px  
4px 4px #09A877; box-shadow:4px 4px 4px  
4px #09A877 }
```

# Background

The CSS property to change the background color of an element to Hex 09A877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#09A877 }
```

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

```
.background{ background-color:#09A877 }
```

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