

# Converting Colors

Hex(109C87)

Have a look what the booklet for  
Hex(109C87) contains.

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# Color

Hex(109C87)

# Conversions

## Conversions Part 1

Format	Color
Hex	109C87
RGB	16, 156, 135
RGB Percent	6%, 61%, 53%
CMY	0.9373, 0.3882, 0.4706
CMYK	0.90, 0.00, 0.13, 0.39
HSL	171°, 81%, 34%
HSV	171°, 90%, 61%
XYZ	16.4753, 25.6364, 27.0016
YIQ	111.7460, -76.6990, -36.2110

# Conversions

## Conversions Part 2

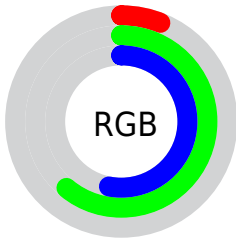
<b>Format</b>	<b>Color</b>
<b>RYB</b>	16, 92, 156
Decimal	1088647
CIELab	57.69, -38.85, 1.40
CIELCh	58, 38.871, 177.937
Yxy	25.6364, 0.2384, 0.3709
Android (android.graphics.Color)	4279278727 (0xFF109C87)
YUV	111.7460, 11.4642, -83.9692
Hunter-Lab	50.6324, -30.5243, 3.8240

# Details

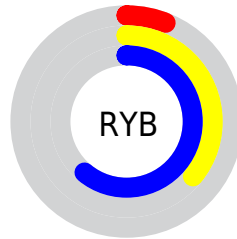
The Hex color **109C87** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9C1025**, and the grayscale version is **707070**.

A 20% lighter version of the original color is **5DD3BC**, and **006855** is the 20% darker color. If you saturate the color by 10%, you get **009C85**, and if you desaturate by 10%, it is **209C89**.

# Distribution



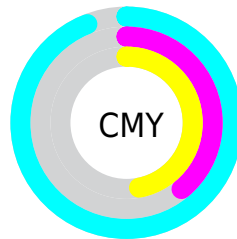
- Red (6%)
- Green (61%)
- Blue (53%)



- Red (6%)
- Yellow (36%)
- Blue (61%)



- Cyan (90%)
- Magenta (0%)
- Yellow (13%)
- Black (39%)



- Cyan (94%)
- Magenta (39%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 109C87 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 109C87 by changing the saturation by 10% instead.





109C87



109C87

FFFFFF



00816E



5DD3BC



006855



7BF0D8



004F3E



98FFF4



003729



B6FFF4



002214



D4FFF4



000000



F2FFF4



109C87



109C87



009C85



209C89

 2F9C8C

 3F9C8E

 4E9C90

 5E9C93

 6E9C95

 7D9C97

 8D9C9A

 9C9C9C

# Harmonies

## Analogous

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



569965



109C87



009CA9

# Triad

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



109C87



8A83C7



BC7C52

# Complementary

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



109C87



9C1025

# 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.



CA726D



109C87



B376AF

# Square

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



109C87



4E8FCE



C86F8E



A28845

# Rectangle

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



109C87



0099BC



C86F8E



C2785A



# Sweetspot

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



109C87



95CCC4



259C10



456661



E6E6E6



666666

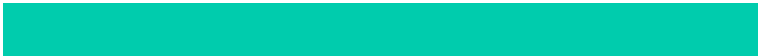


# Same Dimension

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



109C87



00CCAD



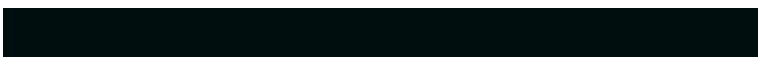
106B9C



474F4E



008F79



000F0D



# Inverse Universe

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



9C1025



CC001F



9C4110



4F4748



8F0015

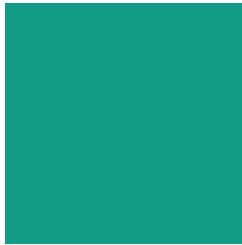


0F0002



# Previews

## White Background



This preview shows how the Hex color 109C87 looks on a white background.

## Color Contrast Check

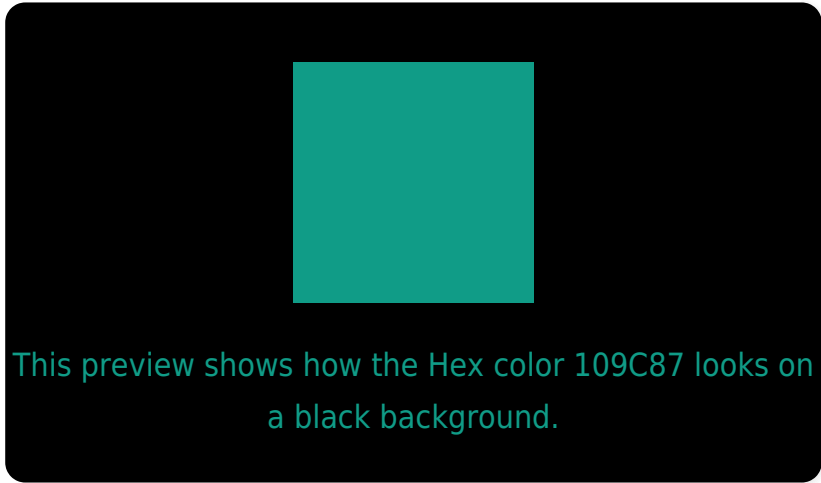
Large Text (above 18pt) WCAG AA ✓ Pass

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

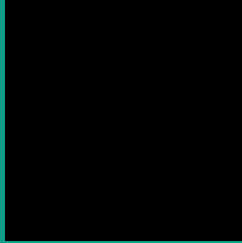
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 109C87 Background



This preview shows how black text looks on a background with the Hex color 109C87.



This preview shows how white text looks on a background with the Hex color 109C87.

# 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**  
2D98A4

# Trichromacy



**Original Color**  
109C87



**Protanomaly**  
619081



**Deuteranomaly**  
658D8A



**Tritanomaly**  
229999

# Monochromacy



**Original Color**  
109C87



**Achromatopsia**  
707070



**Achromatomaly**  
4D8078

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 109C87 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 #109C87 looks like.

```
.text, #text, p{  
    color:#109C87  
}
```

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 #109C87 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #109C87
}
```

## Border

The CSS property to change the border of an element to Hex 109C87 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
#109C87 }
```

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

```
.border{ border-color:#109C87 }
```

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

Here you see how a box with a 4 pixel #109C87 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #109C87; -webkit-box-shadow:4px 4px  
4px 4px #109C87; box-shadow:4px 4px 4px  
4px #109C87 }
```

# Background

The CSS property to change the background color of an element to Hex 109C87 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#109C87 }
```

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

```
.background{ background-color:#109C87 }
```

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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