

# Converting Colors

Hex(23A09C)

Have a look what the booklet for  
Hex(23A09C) contains.

<b>Hex(23A09C)</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(23A09C)**

# Conversions

## Conversions Part 1

Format	Color
Hex	23A09C
RGB	35, 160, 156
RGB Percent	14%, 63%, 61%
CMY	0.8627, 0.3725, 0.3882
CMYK	0.78, 0.00, 0.02, 0.37
HSL	178°, 64%, 38%
HSV	178°, 78%, 63%
XYZ	19.2647, 27.8992, 35.8222
YIQ	122.1690, -73.2160, -27.7440

# Conversions

## Conversions Part 2

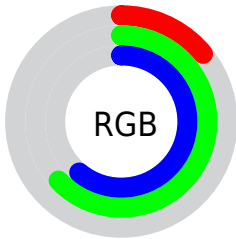
<b>Format</b>	<b>Color</b>
<b>RYB</b>	35, 99, 160
Decimal	2334876
CIELab	59.80, -33.01, -7.38
CIELCh	60, 33.824, 192.607
Yxy	27.8992, 0.2321, 0.3362
Android (android.graphics.Color)	4280524956 (0xFF23A09C)
YUV	122.1690, 16.6787, -76.4472
Hunter-Lab	52.8197, -27.3311, -3.2365

# Details

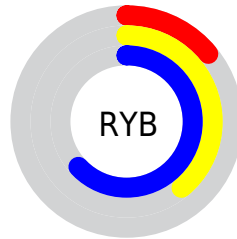
The Hex color **23A09C** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **A02327**, and the grayscale version is **7A7A7A**.

A 20% lighter version of the original color is **67D7D2**, and **006C69** is the 20% darker color. If you saturate the color by 10%, you get **13A09B**, and if you desaturate by 10%, it is **33A09D**.

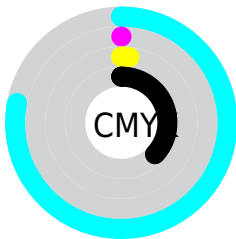
# Distribution



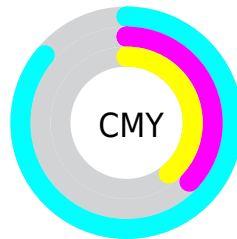
- Red (14%)
- Green (63%)
- Blue (61%)



- Red (14%)
- Yellow (39%)
- Blue (63%)



- Cyan (78%)
- Magenta (0%)
- Yellow (2%)
- Black (37%)



- Cyan (86%)
- Magenta (37%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 23A09C 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 23A09C by changing the saturation by 10% instead.



 23A09C

 23A09C

FFFFFF

 008582

 67D7D2

 006C69

 85F4EF

 005351

 A3FFFF

 003B3A

 C0FFFF

 002624

 DEFFFF

 000110

 FCFFFF

 000000

 23A09C

 23A09C

 13A09B

 33A09D

03A09B

43A09D

00A09B

53A09E

63A09E

73A09F

83A09F

93A0A0

A3A0A0

B3A0A1

# Harmonies

## Analogous

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



509F7D



23A09C



099EB7

# Triad

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



23A09C



A384BC



B38857

# Complementary

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



23A09C



A02327

# 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.



C57E69



23A09C



BF7BA3

# Square

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



23A09C



798FCA



CA7984



979255

# Rectangle

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



23A09C



329AC4



CA7984



BA855C



# Sweetspot

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



23A09C



A1D1D0



27A023



4B6968



E8E8E8



696969

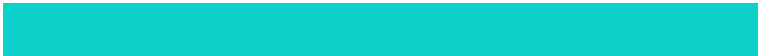


# Same Dimension

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



23A09C



0DD1CB



2366A0



474F4F



008F8A



000F0F



# Inverse Universe

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



A02327



D10D13



A05D23



4F4747



8F0005

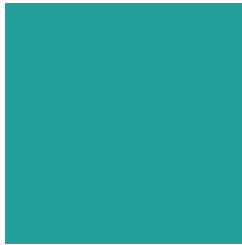


0F0000



# Previews

## White Background



This preview shows how the Hex color 23A09C 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



This preview shows how the Hex color 23A09C looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

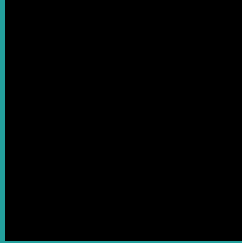
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 23A09C Background



This preview shows how black text looks on a background with the Hex color 23A09C.

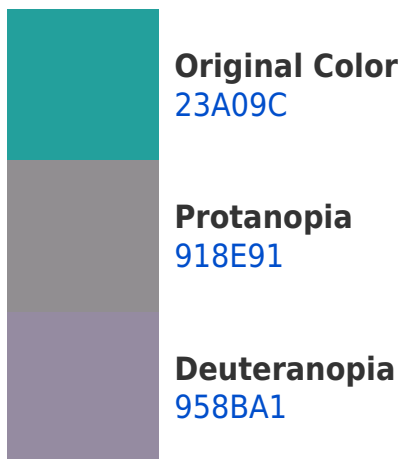


This preview shows how white text looks on a background with the Hex color 23A09C.

# 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**  
2E9EAB

# Trichromacy



**Original Color**  
23A09C



**Protanomaly**  
699595



**Deuteranomaly**  
6C939F



**Tritanomaly**  
2A9FA6

# Monochromacy



**Original Color**  
23A09C



**Achromatopsia**  
7A7A7A



**Achromatomaly**  
5A8886

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 23A09C 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 #23A09C looks like.

```
.text, #text, p{  
    color:#23A09C  
}
```

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 #23A09C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #23A09C
}
```

## Border

The CSS property to change the border of an element to Hex 23A09C 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
#23A09C }
```

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

```
.border{ border-color:#23A09C }
```

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

Here you see how a box with a 4 pixel #23A09C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #23A09C; -webkit-box-shadow:4px 4px  
4px 4px #23A09C; box-shadow:4px 4px 4px  
4px #23A09C }
```

# Background

The CSS property to change the background color of an element to Hex 23A09C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#23A09C }
```

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

```
.background{ background-color:#23A09C }
```

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