

# Converting Colors

Hex(199DAB)

Have a look what the booklet for  
Hex(199DAB) contains.

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# Color

**Hex(199DAB)**

# Conversions

## Conversions Part 1

Format	Color
Hex	199DAB
RGB	25, 157, 171
RGB Percent	10%, 62%, 67%
CMY	0.9020, 0.3843, 0.3294
CMYK	0.85, 0.08, 0.00, 0.33
HSL	186°, 74%, 38%
HSV	186°, 85%, 67%
XYZ	19.8086, 27.2609, 42.7459
YIQ	119.1280, -83.1660, -23.6300

# Conversions

## Conversions Part 2

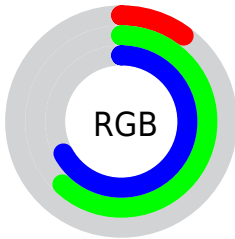
Format	Color
R <sub>Y</sub> B	25, 94, 171
Decimal	1678763
CIE Lab	59.22, -27.76, -16.76
CIE LCh	59, 32.429, 211.128
Yxy	27.2609, 0.2205, 0.3035
Android (android.graphics.Color)	4279868843 (0xFF199DAB)
YUV	119.1280, 25.5729, -82.5503
Hunter-Lab	52.2120, -23.6503, -11.9924

# Details

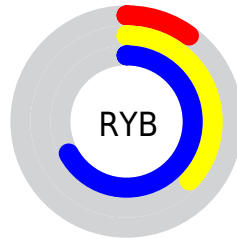
The Hex color **199DAB** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **AB2719**, and the grayscale version is **777777**.

A 20% lighter version of the original color is **64D4E2**, and **006977** is the 20% darker color. If you saturate the color by 10%, you get **089BAB**, and if you desaturate by 10%, it is **2A9FAB**.

# Distribution



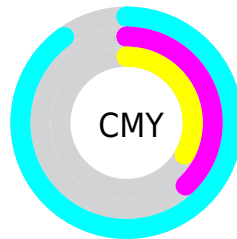
- Red (10%)
- Green (62%)
- Blue (67%)



- Red (10%)
- Yellow (37%)
- Blue (67%)



- Cyan (85%)
- Magenta (8%)
- Yellow (0%)
- Black (33%)



- Cyan (90%)
- Magenta (38%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 199DAB 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 199DAB by changing the saturation by 10% instead.



 199DAB

 199DAB

FFFFFF

 008390

 64D4E2

 006977

 83F0FF

 00515E

 A1FFFF

 003946

 BFFFFF

 002430

 DDDFFF

 00011C

 FBBBBF

 000000

 199DAB

 199DAB

 089BAB

 2A9FAB

009BAB

3BA0AB

4CA2AB

5DA4AB

6EA5AB

80A7AB

91A8AB

A2AAAB

B3ACAB

# Harmonies

## Analogous

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



3A9E8F



199DAB



3699C0

# Triad

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



199DAB



B37DAB



A08D55

# Complementary

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



199DAB



AB2719

# 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.



B8835D



199DAB



C4788F

# Square

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



199DAB



9387BF



C57B73



83965D

# Rectangle

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



199DAB



5794C6



C57B73



A98A56



# Sweetspot

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



199DAB



A4D8DE



19AB25



4D6D70



F0F0F0



707070



# Same Dimension

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



199DAB



00C9DE



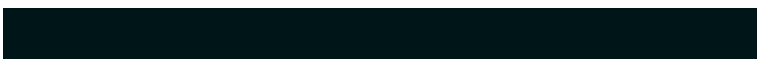
1956AB



4E5657



008896



001517



# Inverse Universe

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



AB199D



DE00C9



AB6E19



574E56



960088



170015



# Previews

## White Background



This preview shows how the Hex color 199DAB looks on a white background.

## Color Contrast Check

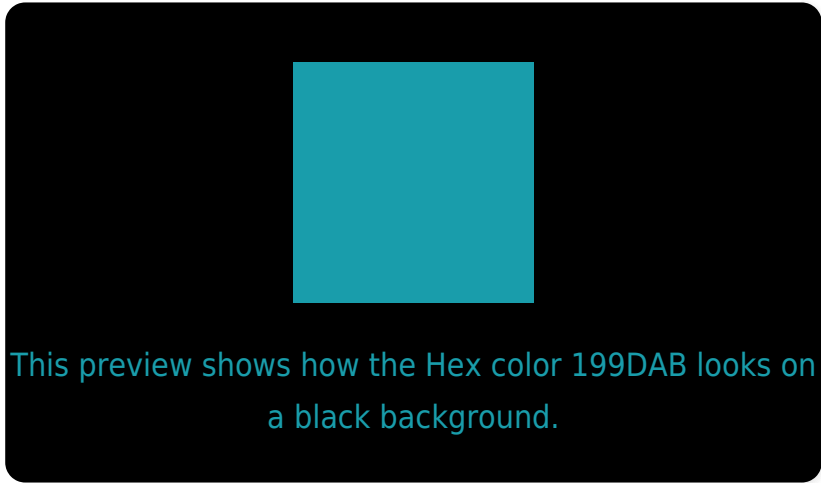
Large Text (above 18pt) WCAG AA ✓ Pass

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

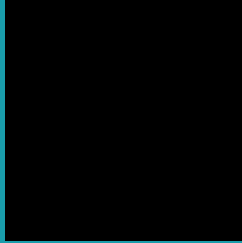
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 199DAB Background



This preview shows how black text looks on a background with the Hex color 199DAB.

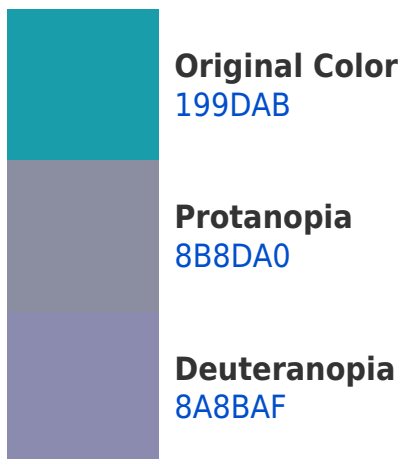


This preview shows how white text looks on a background with the Hex color 199DAB.

# 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**  
179DAA

# Trichromacy



**Original Color**  
199DAB



**Protanomaly**  
6293A4



**Deuteranomaly**  
6192AE



**Tritanomaly**  
189DAA

# Monochromacy



**Original Color**  
199DAB



**Achromatopsia**  
777777



**Achromatomaly**  
55858A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 199DAB 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 #199DAB looks like.

```
.text, #text, p{  
    color:#199DAB  
}
```

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 #199DAB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #199DAB
}
```

## Border

The CSS property to change the border of an element to Hex 199DAB 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
#199DAB }
```

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

```
.border{ border-color:#199DAB }
```

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

Here you see how a box with a 4 pixel #199DAB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #199DAB; -webkit-box-shadow:4px 4px  
4px 4px #199DAB; box-shadow:4px 4px 4px  
4px #199DAB }
```

# Background

The CSS property to change the background color of an element to Hex 199DAB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#199DAB }
```

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

```
.background{ background-color:#199DAB }
```

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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