

# Converting Colors

Hex(499DAA)

Have a look what the booklet for  
Hex(499DAA) contains.

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# Color

**Hex(499DAA)**

# Conversions

## Conversions Part 1

Format	Color
Hex	499DAA
RGB	73, 157, 170
RGB Percent	29%, 62%, 67%
CMY	0.7137, 0.3843, 0.3333
CMYK	0.57, 0.08, 0.00, 0.33
HSL	188°, 40%, 48%
HSV	188°, 57%, 67%
XYZ	22.0603, 28.4327, 42.3556
YIQ	133.3660, -54.2370, -13.7650

# Conversions

## Conversions Part 2

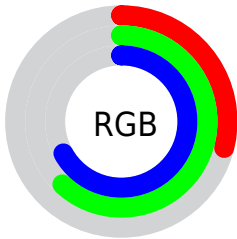
<b>Format</b>	<b>Color</b>
<b>RYB</b>	73, 118, 170
Decimal	4824490
CIELab	60.28, -21.51, -14.48
CIElCh	60, 25.930, 213.959
Yxy	28.4327, 0.2376, 0.3062
Android (android.graphics.Color)	4283014570 (0xFF499DAA)
YUV	133.3660, 18.0606, -52.9410
Hunter-Lab	53.3223, -19.4656, -9.7703

# Details

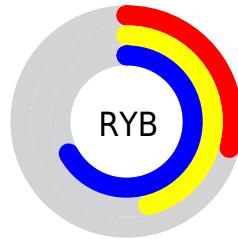
The Hex color **499DAA** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **AA5649**, and the grayscale version is **858585**.

A 20% lighter version of the original color is **82D4E1**, and **006976** is the 20% darker color. If you saturate the color by 10%, you get **389BAA**, and if you desaturate by 10%, it is **5A9FAA**.

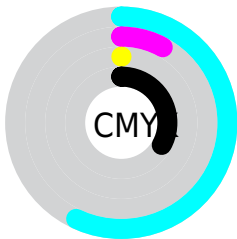
# Distribution



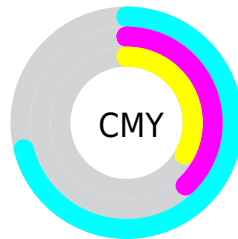
- Red (29%)
- Green (62%)
- Blue (67%)



- Red (29%)
- Yellow (46%)
- Blue (67%)



- Cyan (57%)
- Magenta (8%)
- Yellow (0%)
- Black (33%)



- Cyan (71%)
- Magenta (38%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 499DAA 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 499DAA by changing the saturation by 10% instead.



 499DAA

 499DAA

FFFFFF

 2A8390

 82D4E1

 006976

 9EF0FE

 00515D

 BBFFFF

 003A46

 D8FFFF

 00242F

 F6FFFF

 00031B

 000000

 499DAA

 499DAA

 389BAA

 5A9FAA

■ 2798AA

■ 6BA2AA

■ 1696AA

■ 7CA4AA

■ 0594AA

■ 8DA6AA

■ 0093AA

■ 9EA8AA

■ AFABAA

■ C0ADAA

■ D1AFAA

■ E2B2AA

# Harmonies

## Analogous

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



539E94



499DAA



5999BA

# Triad

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



499DAA



B183A6



9F9164

# Complementary

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



499DAA



AA5649

# 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.



B28969



499DAA



BE808F

# Square

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



499DAA



998AB7



BE8379



86986B

# Rectangle

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



499DAA



6D95BE



BE8379



A68E64



# Sweetspot

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



499DAA



B8D9DE



49AA56



5A6D70



F0F0F0



707070



# Same Dimension

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



499DAA



47CADE



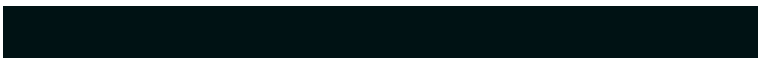
496DAA



4C5354



008094



001214



# Inverse Universe

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



AA499D



DE47CA



AA8649



544C53



940080

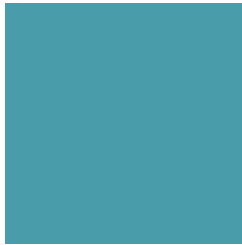


140012



# Previews

## White Background



This preview shows how the Hex color 499DAA looks on a white background.

## Color Contrast Check

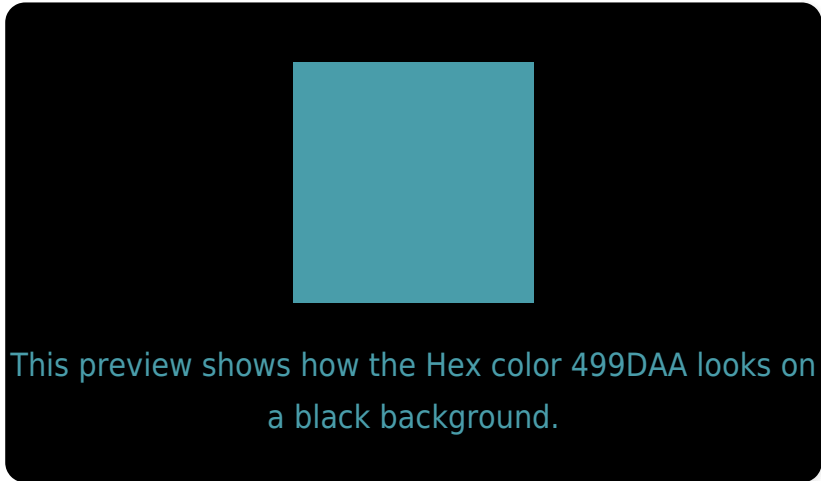
Large Text (above 18pt) WCAG AA ✓ Pass

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

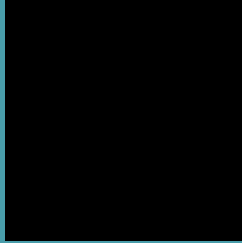
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 499DAA Background



This preview shows how black text looks on a background with the Hex color 499DAA.

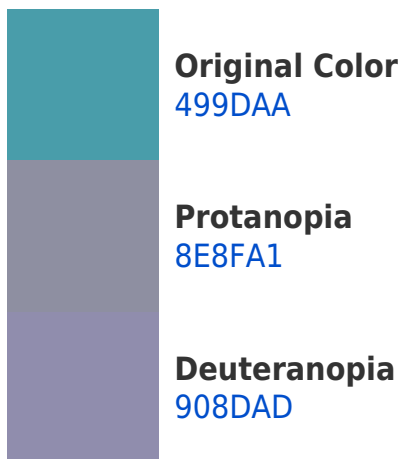


This preview shows how white text looks on a background with the Hex color 499DAA.

# 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](#).

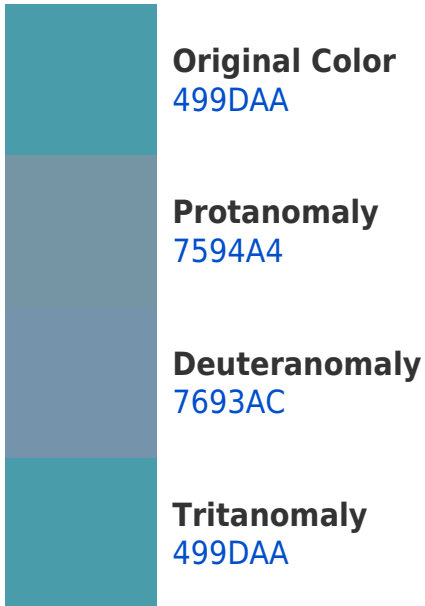
## Dichromacy



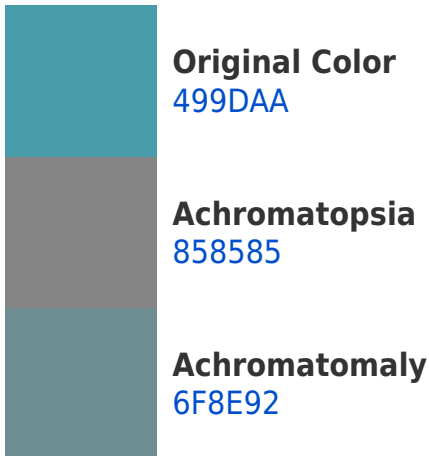


**Tritanopia**  
499DAA

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 499DAA 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 #499DAA looks like.

```
.text, #text, p{  
    color:#499DAA  
}
```

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 #499DAA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #499DAA
}
```

## Border

The CSS property to change the border of an element to Hex 499DAA 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
#499DAA }
```

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

```
.border{ border-color:#499DAA }
```

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

Here you see how a box with a 4 pixel #499DAA colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #499DAA; -webkit-box-shadow:4px 4px  
4px 4px #499DAA; box-shadow:4px 4px 4px  
4px #499DAA }
```

# Background

The CSS property to change the background color of an element to Hex 499DAA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#499DAA }
```

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

```
.background{ background-color:#499DAA }
```

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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