

# Converting Colors

Hex(1799AE)

Have a look what the booklet for  
Hex(1799AE) contains.

<b>Hex(1799AE)</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(1799AE)

# Conversions

## Conversions Part 1

Format	Color
Hex	1799AE
RGB	23, 153, 174
RGB Percent	9%, 60%, 68%
CMY	0.9098, 0.4000, 0.3176
CMYK	0.87, 0.12, 0.00, 0.32
HSL	188°, 77%, 39%
HSV	188°, 87%, 68%
XYZ	19.3846, 26.0206, 44.0452
YIQ	116.5240, -84.2210, -21.0290

# Conversions

## Conversions Part 2

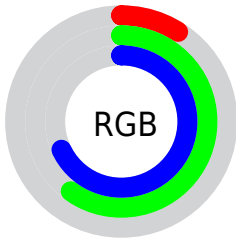
<b>Format</b>	<b>Color</b>
<b>RYB</b>	23, 93, 174
Decimal	1546670
CIELab	58.06, -24.90, -20.23
CIELCh	58, 32.080, 219.096
Yxy	26.0206, 0.2167, 0.2909
Android (android.graphics.Color)	4279736750 (0xFF1799AE)
YUV	116.5240, 28.3357, -82.0205
Hunter-Lab	51.0104, -21.4361, -15.4870

# Details

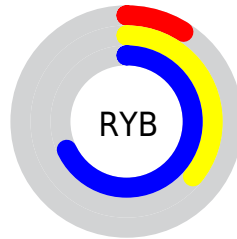
The Hex color **1799AE** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **AE2C17**, and the grayscale version is **747474**.

A 20% lighter version of the original color is **64D0E6**, and **00667A** is the 20% darker color. If you saturate the color by 10%, you get **0697AE**, and if you desaturate by 10%, it is **289BAE**.

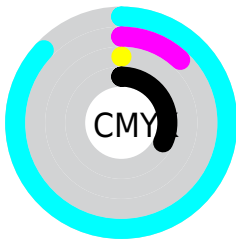
# Distribution



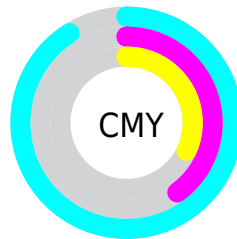
- Red (9%)
- Green (60%)
- Blue (68%)



- Red (9%)
- Yellow (36%)
- Blue (68%)



- Cyan (87%)
- Magenta (12%)
- Yellow (0%)
- Black (32%)



- Cyan (91%)
- Magenta (40%)
- Yellow (32%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1799AE 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 1799AE by changing the saturation by 10% instead.



1799AE

1799AE

FFFFFF

007F93

64D0E6

00667A

82ECFF

004D61

A0FFFF

003649

BEFFFF

002232

DCFFFF

00021E

FAFFFF

000000

1799AE

1799AE

0697AE

289BAE

0096AE

3A9EAE

4BA0AE

5DA3AE

6EA5AE

7FA8AE

91AAAE

A2ACAE

B4AFAE

# Harmonies

## Analogous

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



2E9B93



1799AE



4194BF

# Triad

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



1799AE



B679A0



968D53

# Complementary

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



1799AE



AE2C17

# 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.



AF8358



1799AE



C27684

# Square

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



1799AE



9A81B7



BF7A69



77945F

# Rectangle

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



1799AE



628FC3



BF7A69



9F8A53



# Sweetspot

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



1799AE



A8DBE3



17AE2B



4F6E73



F2F2F2



737373



# Same Dimension

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



1799AE



00C3E3



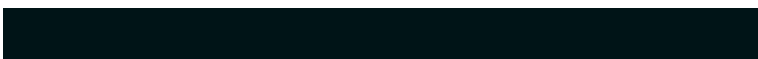
174EAE



4E5557



008296



001417



# Inverse Universe

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



AE1799



E300C3



AE7717



574E55



960082



170014



# Previews

## White Background



This preview shows how the Hex color 1799AE looks on a white background.

## Color Contrast Check

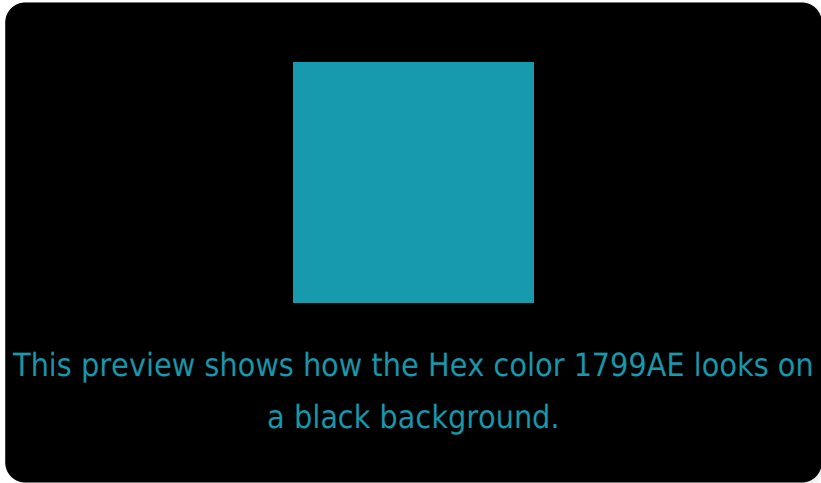
Large Text (above 18pt) WCAG AA ✓ Pass

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

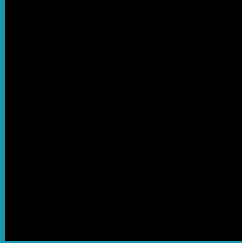
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 1799AE Background



This preview shows how black text looks on a background with the Hex color 1799AE.

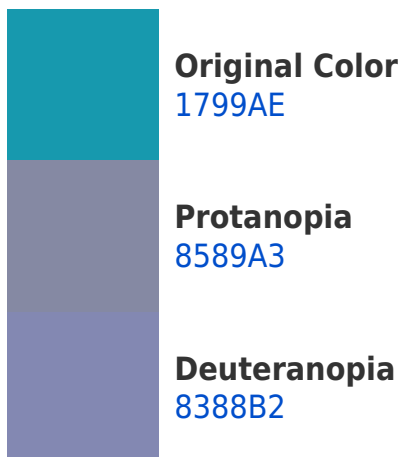


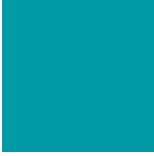
This preview shows how white text looks on a background with the Hex color 1799AE.

# 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](#).

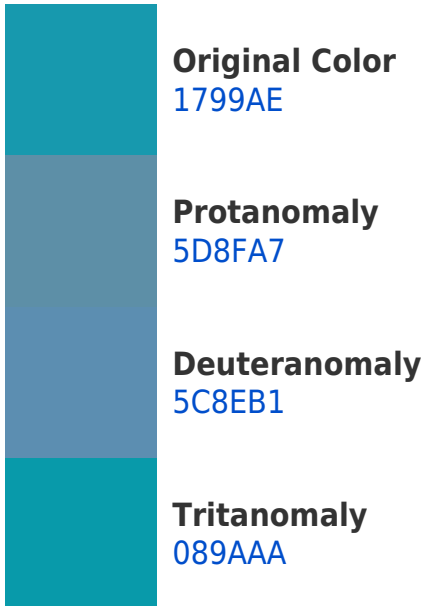
## Dichromacy





**Tritanopia**  
009AA7

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1799AE 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 #1799AE looks like.

```
.text, #text, p{  
    color:#1799AE  
}
```

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 #1799AE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1799AE
}
```

## Border

The CSS property to change the border of an element to Hex 1799AE 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
#1799AE }
```

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

```
.border{ border-color:#1799AE }
```

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

Here you see how a box with a 4 pixel #1799AE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1799AE; -webkit-box-shadow:4px 4px  
4px 4px #1799AE; box-shadow:4px 4px 4px  
4px #1799AE }
```

# Background

The CSS property to change the background color of an element to Hex 1799AE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1799AE }
```

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

```
.background{ background-color:#1799AE }
```

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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