

# Converting Colors

Hex(70AE9E)

Have a look what the booklet for  
Hex(70AE9E) contains.

<b>Hex(70AE9E)</b>	3
<i><b>Conversions</b></i>	4
<i><b>Details</b></i>	6
<i><b>Harmonies</b></i>	11
<i><b>Previews</b></i>	23
<i><b>Color Blindness Simulation</b></i>	26
<i><b>CSS Examples</b></i>	29

# Color

**Hex(70AE9E)**

# Conversions

Conversions Part 1	
Format	Color
Hex	70AE9E
RGB	112, 174, 158
RGB Percent	44%, 68%, 62%
CMY	0.5608, 0.3176, 0.3804
CMYK	0.36, 0.00, 0.09, 0.32
HSL	165°, 28%, 56%
HSV	165°, 36%, 68%
XYZ	27.9897, 36.1855, 37.8570
YIQ	153.6380, -31.8160, -18.1200

# Conversions

## Conversions Part 2

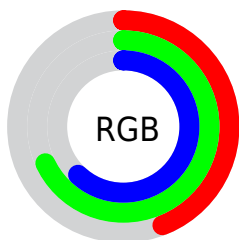
Format	Color
<a href="#">RYB</a>	<a href="#">112, 148, 174</a>
Decimal	<a href="#">7384734</a>
CIELab	<a href="#">66.66, -23.65, 1.89</a>
CIELCh	<a href="#">67, 23.722, 175.442</a>
Yxy	<a href="#">36.1855, 0.2743, 0.3546</a>
Android (android.graphics.Color)	<a href="#">4285574814</a> (0xFF70AE9E)
YUV	<a href="#">153.6380, 2.1505, -36.5165</a>
Hunter-Lab	<a href="#">60.1544, -22.2145, 4.7950</a>

# Details

The Hex color **70AE9E** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **AE7080**, and the grayscale version is **9A9A9A**.

A 20% lighter version of the original color is **A6E6D5**, and **3C796B** is the 20% darker color. If you saturate the color by 10%, you get **5FAE9A**, and if you desaturate by 10%, it is **81AEA2**.

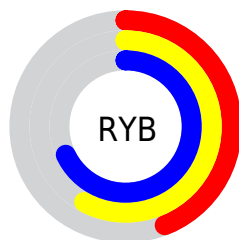
# Distribution



Red (44%)

Green (68%)

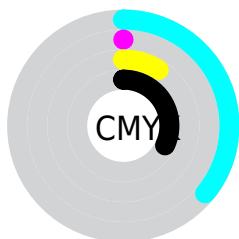
Blue (62%)



Red (44%)

Yellow (58%)

Blue (68%)

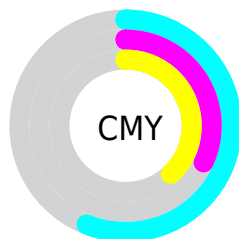


Cyan (36%)

Magenta (0%)

Yellow (9%)

Black (32%)



Cyan (56%)

Magenta (32%)

Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 70AE9E 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 70AE9E by changing the saturation by 10% instead.



 70AE9E

FFFFFF

 A6E6D5

 C2FFF1

 DEFFFF

 FBFFFF

 70AE9E

 569384

 3C796B

 226053

 00483C

 003126

 001E11


 000000

 70AE9E

 5FAE9A

 70AE9E

 81AEA2

 4DAE95 93AEA7 3CAE91 A4AEAB 2AAE8C B6AEB0 19AE88 C7AEB4 08AE83 D8AEB9 00AE81 EAAEBD FBAEC2 FFAEC6

# Harmonies

## Analogous

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



86AB89



70AE9E



64AEB4

# Triad

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



70AE9E



A19EC9



C69980

# Complementary

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



70AE9E



AE7080

# 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.



CE9491



70AE9E



BB97BB

# Square

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



70AE9E



84A5CC



CA93A6



B5A078

# Rectangle

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



70AE9E



67ACC0



CA93A6



CA9785



# Sweetspot

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



70AE9E



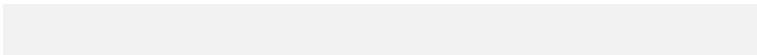
CAE3DD



81AE70



64736F



F2F2F2



737373



# Same Dimension

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



70AE9E



81E3CA



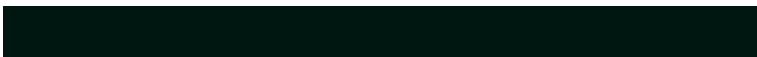
70A0AE



4E5754



009670



001711



# Inverse Universe

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



AE7080



E3819B



AE7E70



574E50



960027

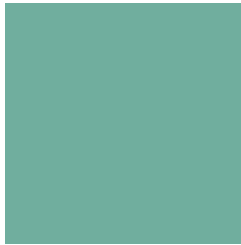


170006



# Previews

## White Background



This preview shows how the Hex color 70AE9E looks on a white background.

## Color Contrast Check

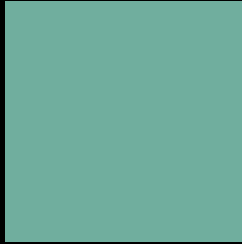
Large Text (above 18pt) WCAG AA × Fail

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 70AE9E 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 ✓ Pass

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



## Hex 70AE9E Background



This preview shows how black text looks on a background with the Hex color 70AE9E.

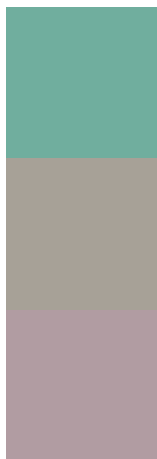


This preview shows how white text looks on a background with the Hex color 70AE9E.

# 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](#).

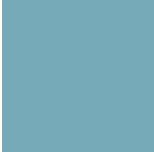
## Dichromacy



**Original Color**  
70AE9E

**Protanopia**  
A7A197

**Deuteranopia**  
B19CA2



# Tritanopia

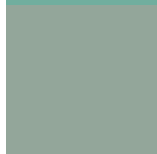
76AAB8

# Trichromacy



**Original Color**

70AE9E



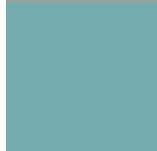
**Protanomaly**

93A69A



**Deuteranomaly**

99A3A1



**Tritanomaly**

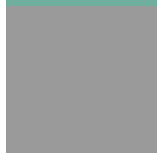
74ABAF

# Monochromacy



**Original Color**

70AE9E



**Achromatopsia**

9A9A9A



**Achromatomaly**

8BA19B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 70AE9E 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 #70AE9E looks like.

```
.text, #text, p{  
    color:#70AE9E  
}
```

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 #70AE9E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #70AE9E
}
```

## Border

The CSS property to change the border of an element to Hex 70AE9E 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
#70AE9E }
```

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

```
.border{ border-color:#70AE9E }
```

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

Here you see how a box with a 4 pixel #70AE9E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #70AE9E; -webkit-box-shadow:4px 4px  
4px 4px #70AE9E; box-shadow:4px 4px 4px  
4px #70AE9E }
```

# Background

The CSS property to change the background color of an element to Hex 70AE9E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#70AE9E }
```

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

```
.background{ background-color:#70AE9E }
```

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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