

# Converting Colors

Hex(87A7AA)

Have a look what the booklet for  
Hex(87A7AA) contains.

<b>Hex(87A7AA)</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(87A7AA)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87A7AA
RGB	135, 167, 170
RGB Percent	53%, 65%, 67%
CMY	0.4706, 0.3451, 0.3333
CMYK	0.21, 0.02, 0.00, 0.33
HSL	185°, 17%, 60%
HSV	185°, 21%, 67%
XYZ	31.0661, 35.6906, 43.2818
YIQ	157.7740, -20.0350, -5.8510

# Conversions

## Conversions Part 2

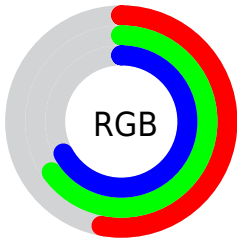
Format	Color
R <sub>Y</sub> B	135, 152, 170
Decimal	8890282
CIE Lab	66.28, -10.25, -5.19
CIE LCh	66, 11.487, 206.846
Yxy	35.6906, 0.2823, 0.3243
Android (android.graphics.Color)	4287080362 (0xFF87A7AA)
YUV	157.7740, 6.0274, -19.9728
Hunter-Lab	59.7416, -11.7265, -1.1355

# Details

The Hex color **87A7AA** is a light color, and the websafe version is hex **669999**. A complement of this color would be **AA8A87**, and the grayscale version is **9E9E9E**.

A 20% lighter version of the original color is **BDDEE1**, and **547376** is the 20% darker color. If you saturate the color by 10%, you get **76A6AA**, and if you desaturate by 10%, it is **98A8AA**.

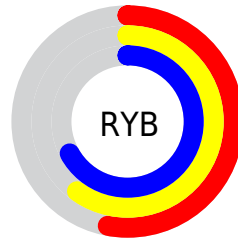
# Distribution



Red (53%)

Green (65%)

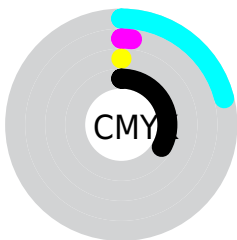
Blue (67%)



Red (53%)

Yellow (60%)

Blue (67%)

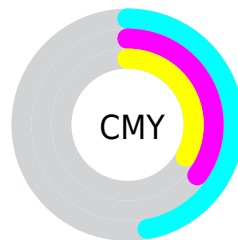


Cyan (21%)

Magenta (2%)

Yellow (0%)

Black (33%)



Cyan (47%)

Magenta (35%)

Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 87A7AA 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 87A7AA by changing the saturation by 10% instead.





87A7AA



87A7AA

FFFFFF



6D8D90



BDDEE1



547376



D9FBFE



3C5A5D



F5FFFF



254346



0E2D2F



00191B



000000



87A7AA



87A7AA



76A6AA



98A8AA

65A4AA

A9AAAA

54A3AA

BAABAA

43A1AA

CBADAA

32A0AA

DCAEAA

219EAA

EDB0AA

109DAA

FEB1AA

009BAA

FFB3AA

FFB4AA

# Harmonies

## Analogous

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



8BA7A0



87A7AA



8BA5B2

# Triad

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



87A7AA



AE9CAD



ABA08D

# Complementary

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



87A7AA



AA8A87

# 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.



B39D90



87A7AA



B59AA3

# Square

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



87A7AA



A29FB3



B79B98



9FA38F

# Rectangle

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



87A7AA



91A3B5



B79B98



AE9F8D



# Sweetspot

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



87A7AA



D1DDDE



87AA8A



687070



F0F0F0



707070



# Same Dimension

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



87A7AA



A6D9DE



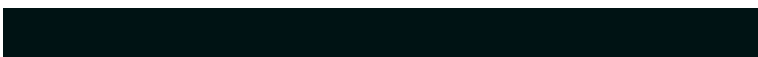
8796AA



4C5354



008794



001314



# Inverse Universe

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



AA87A7



DEA6D9



AA9B87



544C53



940087



140013



# Previews

## White Background



This preview shows how the Hex color 87A7AA looks on a white background.

## Color Contrast Check

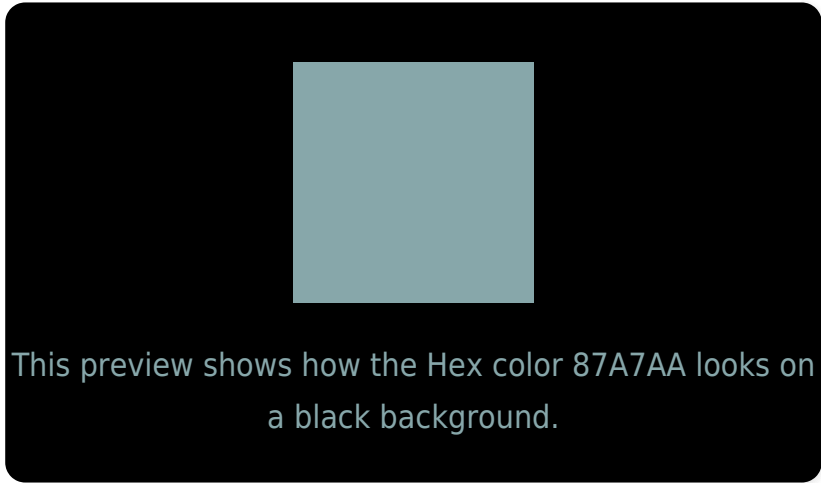
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

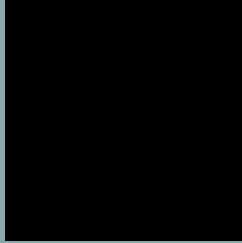
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 87A7AA Background



This preview shows how black text looks on a background with the Hex color 87A7AA.

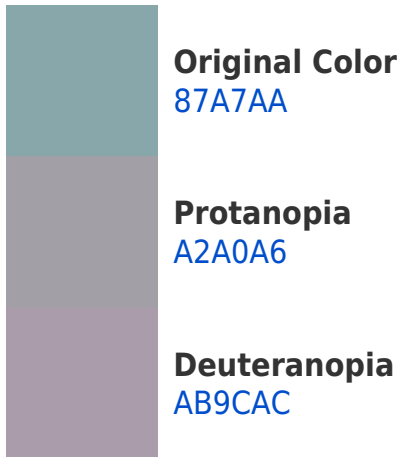


This preview shows how white text looks on a background with the Hex color 87A7AA.

# 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](#).

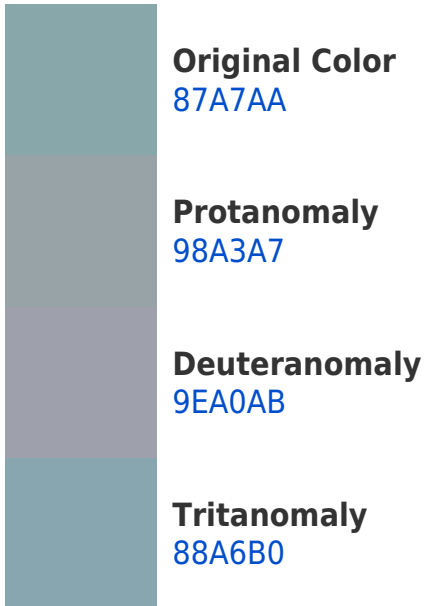
## Dichromacy



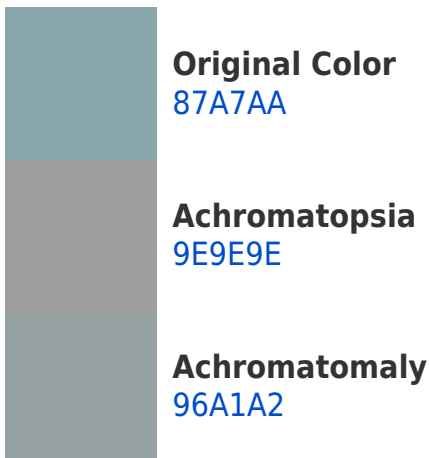


**Tritanopia**  
89A6B3

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 87A7AA 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 #87A7AA looks like.

```
.text, #text, p{  
    color:#87A7AA  
}
```

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 #87A7AA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87A7AA  
}
```

## Border

The CSS property to change the border of an element to Hex 87A7AA 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  
#87A7AA }
```

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

```
.border{ border-color:#87A7AA }
```

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

Here you see how a box with a 4 pixel #87A7AA colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87A7AA; -webkit-box-shadow:4px 4px  
4px 4px #87A7AA; box-shadow:4px 4px 4px  
4px #87A7AA }
```

# Background

The CSS property to change the background color of an element to Hex 87A7AA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87A7AA }
```

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

```
.background{ background-color:#87A7AA }
```

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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