

# Converting Colors

Hex(78AE93)

Have a look what the booklet for  
Hex(78AE93) contains.

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# **Color**

**Hex(78AE93)**

# Conversions

## Conversions Part 1

Format	Color
Hex	78AE93
RGB	120, 174, 147
RGB Percent	47%, 68%, 58%
CMY	0.5294, 0.3176, 0.4235
CMYK	0.31, 0.00, 0.16, 0.32
HSL	150°, 25%, 58%
HSV	150°, 31%, 68%
XYZ	28.1482, 36.3718, 33.1406
YIQ	154.7760, -23.5170, -19.8450

# Conversions

## Conversions Part 2

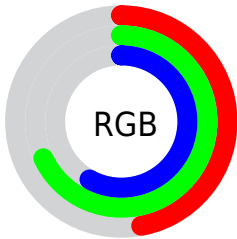
Format	Color
<a href="#">RYB</a>	<a href="#">120, 156, 174</a>
Decimal	<a href="#">7909011</a>
CIELab	<a href="#">66.80, -23.63, 8.23</a>
CIELCh	<a href="#">67, 25.023, 160.797</a>
Yxy	<a href="#">36.3718, 0.2882, 0.3724</a>
Android (android.graphics.Color)	<a href="#">4286099091 (0xFF78AE93)</a>
YUV	<a href="#">154.7760, -3.8336, -30.4986</a>
Hunter-Lab	<a href="#">60.3090, -22.2288, 9.6356</a>

# Details

The Hex color **78AE93** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **AE7893**, and the grayscale version is **9B9B9B**.

A 20% lighter version of the original color is **AEE6C9**, and **457960** is the 20% darker color. If you saturate the color by 10%, you get **67AE8A**, and if you desaturate by 10%, it is **89AE9C**.

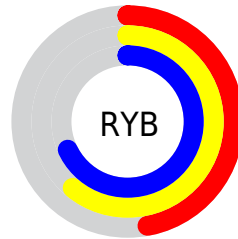
# Distribution



Red (47%)

Green (68%)

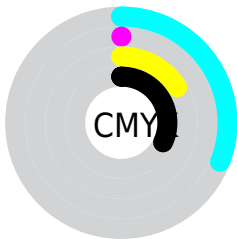
Blue (58%)



Red (47%)

Yellow (61%)

Blue (68%)

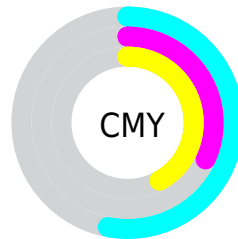


Cyan (31%)

Magenta (0%)

Yellow (16%)

Black (32%)



Cyan (53%)

Magenta (32%)

Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 78AE93 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 78AE93 by changing the saturation by 10% instead.



 78AE93

 78AE93

FFFFFF

 5E9379

 AEE6C9

 457960

 C9FFE5

 2C6049

 E6FFFF

 124832

 00311D

 001E04

 000000

 78AE93

 78AE93

 67AE8A

 89AE9C

■ 55AE82

■ 9BAEA4

■ 44AE79

■ ACAEAD

■ 32AE70

■ BEAEB6

■ 21AE67

■ CFAEBF

■ 10AE5F

■ E0AEC7

■ 00AE57

■ F2AED0

■ FFAED9

■ FFAEE1

# Harmonies

## Analogous

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



92AA80



78AE93



64AFAA

# Triad

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



78AE93



92A2CE



CD9586

# Complementary

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



78AE93



AE7893

# 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.



D0929B



78AE93



B09AC5

# Square

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



78AE93



73A9CC



C694B2



C09C79

# Rectangle

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



78AE93



5FAEB9



C694B2



CF948D



# Sweetspot

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



78AE93



CFE3D9



93AE78



66736C



F2F2F2



737373



# Same Dimension

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



78AE93



8FE3B9



78AEAD



4E5752



00964B



00170B



# Inverse Universe

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



AE7893



E38FB9



AE7878



574E52



96004B



17000B



# Previews

## White Background



This preview shows how the Hex color 78AE93 looks on a white background.

## Color Contrast Check

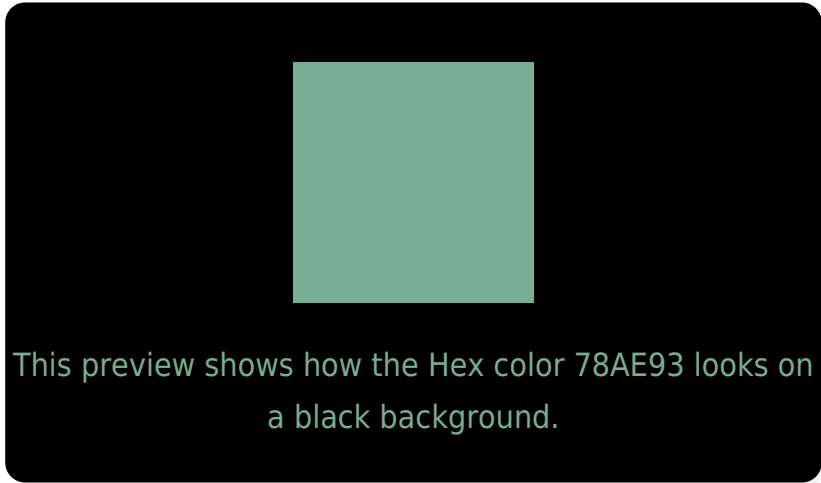
Large Text (above 18pt) WCAG AA × Fail

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

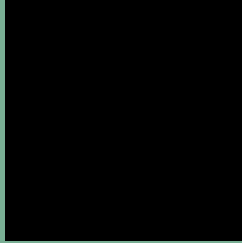
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 78AE93 Background



This preview shows how black text looks on a background with the Hex color 78AE93.



This preview shows how white text looks on a background with the Hex color 78AE93.

# 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](#).

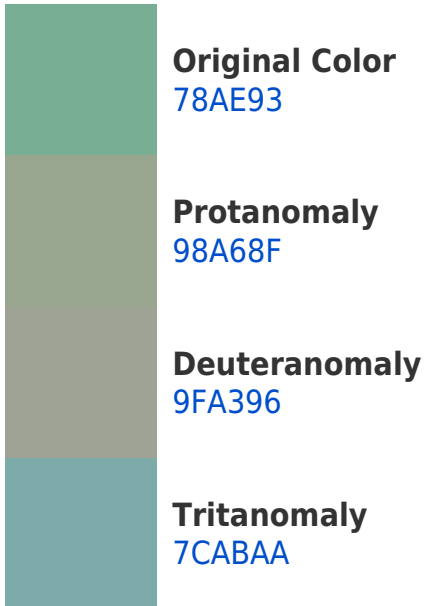
## Dichromacy





**Tritanopia**  
7FA9B7

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 78AE93 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 #78AE93 looks like.

```
.text, #text, p{  
    color:#78AE93  
}
```

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 #78AE93 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #78AE93
}
```

## Border

The CSS property to change the border of an element to Hex 78AE93 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
#78AE93 }
```

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

```
.border{ border-color:#78AE93 }
```

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

Here you see how a box with a 4 pixel #78AE93 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #78AE93; -webkit-box-shadow:4px 4px  
4px 4px #78AE93; box-shadow:4px 4px 4px  
4px #78AE93 }
```

# Background

The CSS property to change the background color of an element to Hex 78AE93 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#78AE93 }
```

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

```
.background{ background-color:#78AE93 }
```

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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