

# Converting Colors

Hex(78CD8F)

Have a look what the booklet for  
Hex(78CD8F) contains.

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# Color

**Hex(78CD8F)**

# Conversions

## Conversions Part 1

Format	Color
Hex	78CD8F
RGB	120, 205, 143
RGB Percent	47%, 80%, 56%
CMY	0.5294, 0.1961, 0.4392
CMYK	0.41, 0.00, 0.30, 0.20
HSL	136°, 46%, 64%
HSV	136°, 41%, 80%
XYZ	34.5350, 49.6389, 33.7477
YIQ	172.5170, -30.7580, -37.3020

# Conversions

## Conversions Part 2

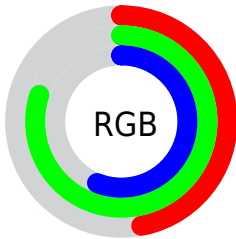
<b>Format</b>	<b>Color</b>
<b>RYB</b>	120, 187, 205
Decimal	7916943
CIELab	75.85, -39.10, 23.01
CIElCh	76, 45.371, 149.530
Yxy	49.6389, 0.2929, 0.4209
Android (android.graphics.Color)	4286107023 (0xFF78CD8F)
YUV	172.5170, -14.5519, -46.0574
Hunter-Lab	70.4549, -35.8004, 20.9187

# Details

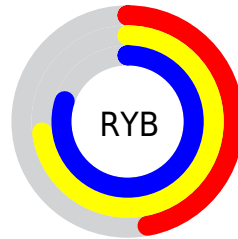
The Hex color **78CD8F** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **CD78B6**, and the grayscale version is **ADADAD**.

A 20% lighter version of the original color is **B0FFC5**, and **41965C** is the 20% darker color. If you saturate the color by 10%, you get **64CD80**, and if you desaturate by 10%, it is **8CCD9E**.

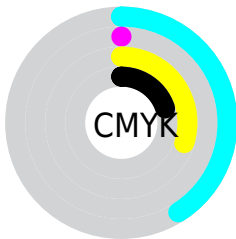
# Distribution



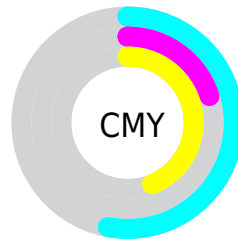
- Red (47%)
- Green (80%)
- Blue (56%)



- Red (47%)
- Yellow (73%)
- Blue (80%)



- Cyan (41%)
- Magenta (0%)
- Yellow (30%)
- Black (20%)



- Cyan (53%)
- Magenta (20%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 78CD8F 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 78CD8F by changing the saturation by 10% instead.



 78CD8F

 78CD8F

FFFFFF

 5DB175

 B0FFC5

 41965C

 CCFFE1

 247C44

 E9FFFE

 00622D

 004A17

 003200

 001D00

 000000

 78CD8F

 78CD8F

 64CD80

 8CCD9E

 4FCD71

 A1CDAD

 3ACD62

 B5CDBC

 26CD53

 CACDCB

 11CD44

 DECDDA

 00CD37

 F3CDE9

 FFCDF8

 FFCDFE

# Harmonies

## Analogous

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



ABC570



78CD8F



31D1B9

# Triad

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



78CD8F



78BFFF



FF9D94

# Complementary

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



78CD8F



CD78B6

# 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.



FF99BD



78CD8F



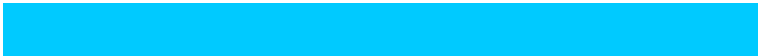
BEBOFF

# Square

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



78CD8F



00CAFF



EFA1E6



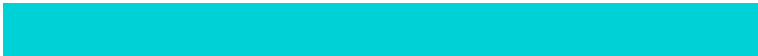
F7A974

# Rectangle

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



78CD8F



00D1D6



EFA1E6



FF9BA1

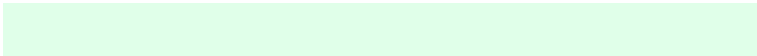


# Sweetspot

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



78CD8F



E0FFE9



B6CD78



6E8072



000000



808080



# Same Dimension

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



78CD8F



80FFA2



78CDB9



5C665F



00A62D



00260A



# Inverse Universe

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



CD78B6



FF80DD



CD788C



665C63



A60079

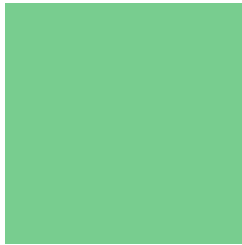


26001C



# Previews

## White Background



This preview shows how the Hex color 78CD8F looks on a white background.

## Color Contrast Check

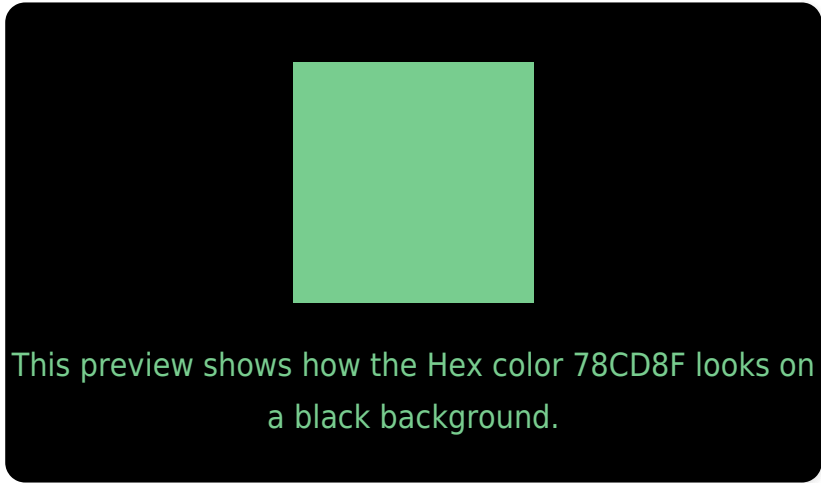
Large Text (above 18pt) WCAG AA × Fail

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 78CD8F Background



This preview shows how black text looks on a background with the Hex color 78CD8F.



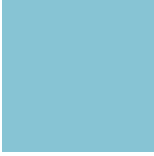
This preview shows how white text looks on a background with the Hex color 78CD8F.

# 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



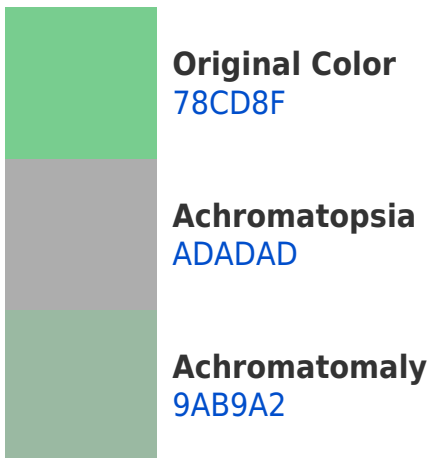


**Tritanopia**  
87C4D4

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 78CD8F 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 #78CD8F looks like.

```
.text, #text, p{  
    color:#78CD8F  
}
```

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 #78CD8F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #78CD8F
}
```

## Border

The CSS property to change the border of an element to Hex 78CD8F 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
#78CD8F }
```

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

```
.border{ border-color:#78CD8F }
```

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

Here you see how a box with a 4 pixel #78CD8F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #78CD8F; -webkit-box-shadow:4px 4px  
4px 4px #78CD8F; box-shadow:4px 4px 4px  
4px #78CD8F }
```

# Background

The CSS property to change the background color of an element to Hex 78CD8F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#78CD8F }
```

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

```
.background{ background-color:#78CD8F }
```

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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