

# Converting Colors

Hex(77BD8E)

Have a look what the booklet for  
Hex(77BD8E) contains.

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# **Color**

**Hex(77BD8E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	77BD8E
RGB	119, 189, 142
RGB Percent	47%, 74%, 56%
CMY	0.5333, 0.2588, 0.4431
CMYK	0.37, 0.00, 0.25, 0.26
HSL	140°, 35%, 60%
HSV	140°, 37%, 74%
XYZ	30.6878, 42.2701, 32.1327
YIQ	162.7120, -26.6330, -29.4570

# Conversions

## Conversions Part 2

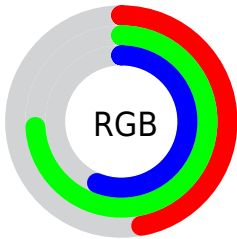
Format	Color
<a href="#">RYB</a>	<a href="#">119, 172, 189</a>
Decimal	<a href="#">7847310</a>
CIELab	<a href="#">71.06, -32.23, 16.94</a>
CIElCh	<a href="#">71, 36.412, 152.270</a>
Yxy	<a href="#">42.2701, 0.2920, 0.4022</a>
Android (android.graphics.Color)	<a href="#">4286037390 (0xFF77BD8E)</a>
YUV	<a href="#">162.7120, -10.2110, -38.3354</a>
Hunter-Lab	<a href="#">65.0155, -29.5236, 16.2078</a>

# Details

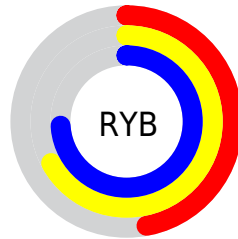
The Hex color **77BD8E** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **BD77A6**, and the grayscale version is **A3A3A3**.

A 20% lighter version of the original color is **ADF6C4**, and **42875C** is the 20% darker color. If you saturate the color by 10%, you get **64BD81**, and if you desaturate by 10%, it is **8ABD9B**.

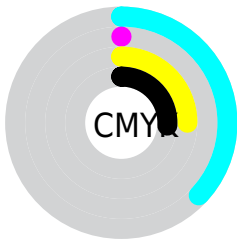
# Distribution



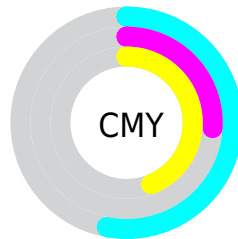
- Red (47%)
- Green (74%)
- Blue (56%)



- Red (47%)
- Yellow (67%)
- Blue (74%)



- Cyan (37%)
- Magenta (0%)
- Yellow (25%)
- Black (26%)



- Cyan (53%)
- Magenta (26%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 77BD8E 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 77BD8E by changing the saturation by 10% instead.



 77BD8E

 77BD8E

FFFFFF

 5DA274

 ADF6C4

 42875C

 CAFFE0

 286D44

 E6FFFC

 06552D

 003D18

 002700

 000700

 000000

 77BD8E

 77BD8E

 64BD81

 8ABD9B

 51BD75

 9DBDA7

 3EBD68

 B0BDB4

 2BBD5B

 C3BDC1

 19BD4F

 D6BDCD

 06BD42

 E8BD DA

 00BD3E

 FBBDE7

 FFBDF4

 FFBDF F

# Harmonies

## Analogous

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



9FB675



77BD8E



4CC0AF

# Triad

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



77BD8E



83B0F0



ED988C

# Complementary

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



77BD8E



BD77A6

# 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.



ED94AD



77BD8E



B5A4E6

# Square

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



77BD8E



4CBAE8



DA99CD



DDA174

# Rectangle

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



77BD8E



33C0C6



DA99CD



EF9696

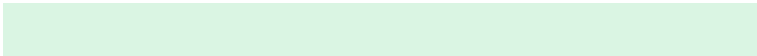


# Sweetspot

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



77BD8E



DAF5E3



A7BD77



6A7A70



FAFAFA



7A7A7A



# Same Dimension

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



77BD8E



89F5AC



77BDB0



555E58



009E34



001F0A



# Inverse Universe

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



BD77A6



F589D1



BD7784



5E555B



9E006A



1F0015



# Previews

## White Background



This preview shows how the Hex color 77BD8E looks on a white background.

## Color Contrast Check

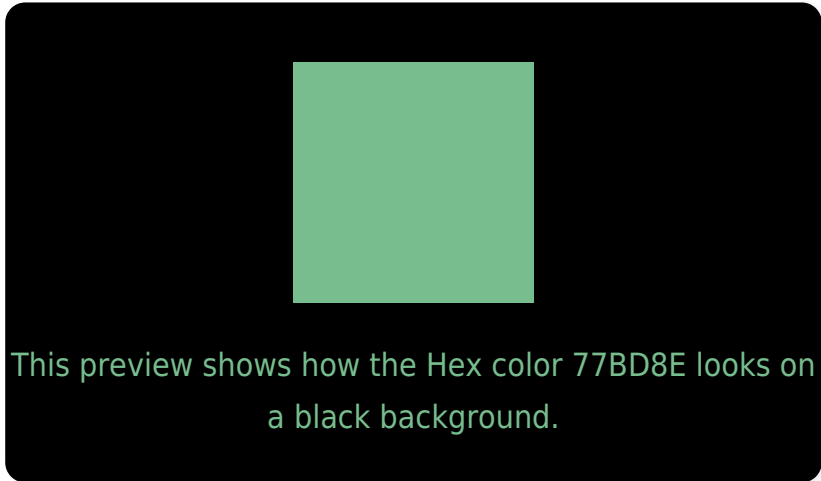
Large Text (above 18pt) WCAG AA × Fail

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

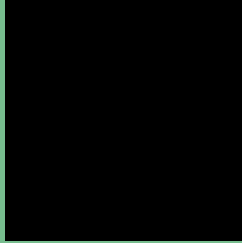
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 77BD8E Background



This preview shows how black text looks on a background with the Hex color 77BD8E.

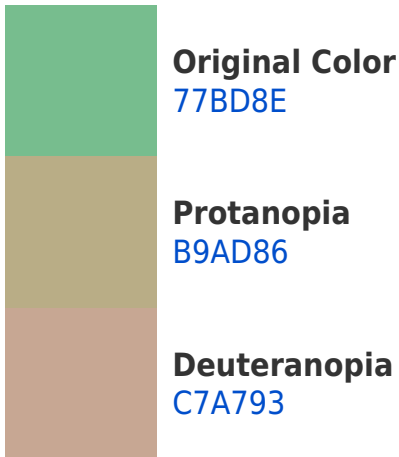


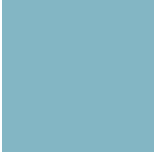
This preview shows how white text looks on a background with the Hex color 77BD8E.

# 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](#).

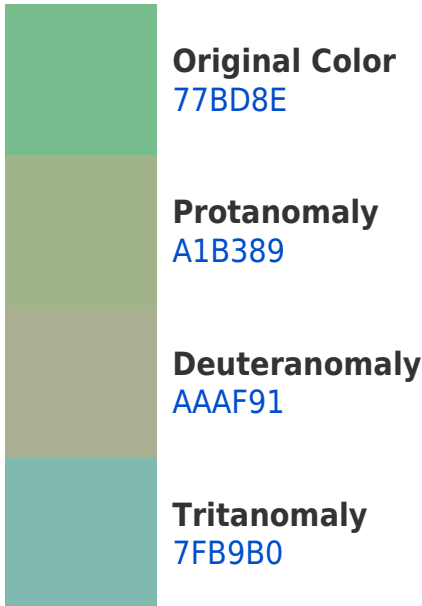
## Dichromacy



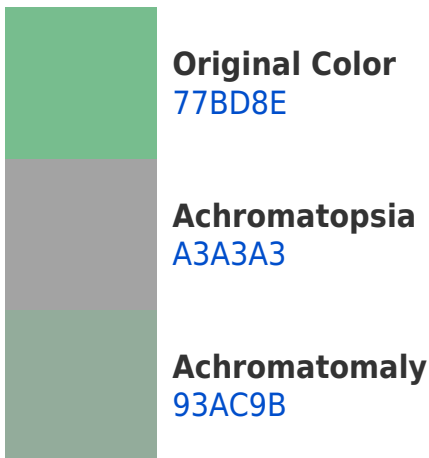


**Tritanopia**  
83B6C4

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 77BD8E 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 #77BD8E looks like.

```
.text, #text, p{  
    color:#77BD8E  
}
```

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 #77BD8E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #77BD8E
}
```

## Border

The CSS property to change the border of an element to Hex 77BD8E 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
#77BD8E }
```

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

```
.border{ border-color:#77BD8E }
```

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

Here you see how a box with a 4 pixel #77BD8E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #77BD8E; -webkit-box-shadow:4px 4px  
4px 4px #77BD8E; box-shadow:4px 4px 4px  
4px #77BD8E }
```

# Background

The CSS property to change the background color of an element to Hex 77BD8E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#77BD8E }
```

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

```
.background{ background-color:#77BD8E }
```

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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