

# Converting Colors

Hex(78E8B2)

Have a look what the booklet for  
Hex(78E8B2) contains.

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# **Color**

**Hex(78E8B2)**

# Conversions

## Conversions Part 1

Format	Color
Hex	78E8B2
RGB	120, 232, 178
RGB Percent	47%, 91%, 70%
CMY	0.5294, 0.0902, 0.3020
CMYK	0.48, 0.00, 0.23, 0.09
HSL	151°, 71%, 69%
HSV	151°, 48%, 91%
XYZ	44.6382, 64.9206, 52.2977
YIQ	192.3560, -49.4180, -40.5380

# Conversions

## Conversions Part 2

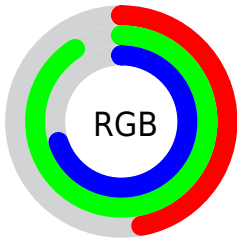
Format	Color
<a href="#">RYB</a>	<a href="#">120, 194, 232</a>
Decimal	<a href="#">7923890</a>
CIELab	<a href="#">84.44, -44.29, 16.55</a>
CIELCh	<a href="#">84, 47.283, 159.513</a>
Yxy	<a href="#">64.9206, 0.2758, 0.4011</a>
Android (android.graphics.Color)	<a href="#">4286113970 (0xFF78E8B2)</a>
YUV	<a href="#">192.3560, -7.0775, -63.4562</a>
Hunter-Lab	<a href="#">80.5734, -42.1131, 17.9180</a>

# Details

The Hex color **78E8B2** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **E878AE**, and the grayscale version is **C0C0C0**.

A 20% lighter version of the original color is **B2FFEA**, and **3CB07D** is the 20% darker color. If you saturate the color by 10%, you get **61E8A7**, and if you desaturate by 10%, it is **8FE8BD**.

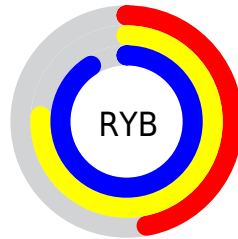
# Distribution



Red (47%)

Green (91%)

Blue (70%)



Red (47%)

Yellow (76%)

Blue (91%)

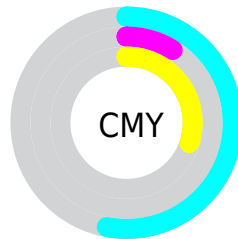


Cyan (48%)

Magenta (0%)

Yellow (23%)

Black (9%)



Cyan (53%)

Magenta (9%)

Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 78E8B2 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 78E8B2 by changing the saturation by 10% instead.



 78E8B2

 78E8B2

FFFFFF

 5BCB97

 B2FFEA

 3CB07D

 CFFFFFF

 149464

 EDFFFF

 007A4C

 006035

 00481F

 003009

 001800

 000000

 78E8B2

 78E8B2

 61E8A7

 8FE8BD

 4AE89C

 A6E8C8

 32E890

 BEE8D4

 1BE885

 D5E8DF

 04E87A

 ECE8EA

 00E878

 FFE8F5

 FFE8FF

# Harmonies

## Analogous

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



B1E18C



78E8B2



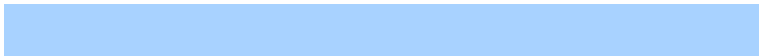
27EAE0

# Triad

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



78E8B2



A8D2FF



FFB79C

# Complementary

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



78E8B2



E878AE

# 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.



FFAFC6



78E8B2



EAC2FF

# Square

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



78E8B2



51E0FF



FFB4F3



FFC57F

# Rectangle

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



78E8B2



00E9FD



FFB4F3



FFB3A9

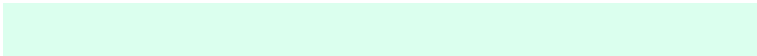


# Sweetspot

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



78E8B2



DBFFEE



AEE878



6A8075



000000



808080



# Same Dimension

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



78E8B2



6BFFB8



78E6E8



67736D



00B35C



00331A



# Inverse Universe

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



E878AE



FF6BB2



E87A78



73676D



B30056



330019



# Previews

## White Background



This preview shows how the Hex color 78E8B2 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 78E8B2 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

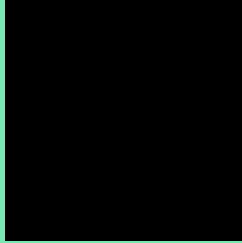
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 78E8B2 Background



This preview shows how black text looks on a background with the Hex color 78E8B2.

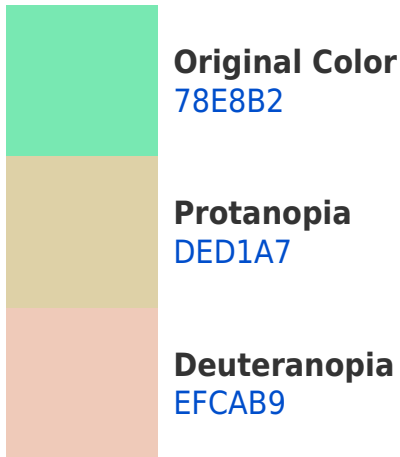


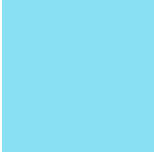
This preview shows how white text looks on a background with the Hex color 78E8B2.

# 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**  
89E0F2

# Trichromacy



**Original Color**  
78E8B2



**Protanomaly**  
B9D9AB



**Deuteranomaly**  
C4D5B6



**Tritanomaly**  
83E3DB

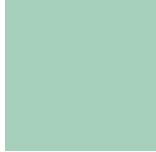
# Monochromacy



**Original Color**  
78E8B2



**Achromatopsia**  
C0C0C0



**Achromatomaly**  
A6CFBB

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 78E8B2 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 #78E8B2 looks like.

```
.text, #text, p{  
    color:#78E8B2  
}
```

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 #78E8B2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #78E8B2
}
```

## Border

The CSS property to change the border of an element to Hex 78E8B2 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
#78E8B2 }
```

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

```
.border{ border-color:#78E8B2 }
```

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

Here you see how a box with a 4 pixel #78E8B2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #78E8B2; -webkit-box-shadow:4px 4px  
4px 4px #78E8B2; box-shadow:4px 4px 4px  
4px #78E8B2 }
```

# Background

The CSS property to change the background color of an element to Hex 78E8B2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#78E8B2 }
```

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

```
.background{ background-color:#78E8B2 }
```

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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