

# Converting Colors

Hex(78C8EA)

Have a look what the booklet for  
Hex(78C8EA) contains.

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# **Color**

**Hex(78C8EA)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	78C8EA
RGB	120, 200, 234
RGB Percent	47%, 78%, 92%
CMY	0.5294, 0.2157, 0.0824
CMYK	0.49, 0.15, 0.00, 0.08
HSL	198°, 73%, 69%
HSV	198°, 49%, 92%
XYZ	43.2513, 51.2421, 85.4530
YIQ	179.9560, -58.5940, -6.3860

# Conversions

## Conversions Part 2

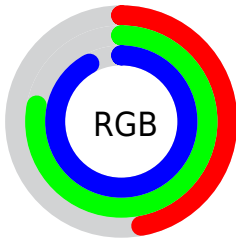
Format	Color
R <sub>Y</sub> B	120, 167, 234
Decimal	7915754
CIE Lab	76.83, -15.53, -24.44
CIE LCh	77, 28.953, 237.570
Yxy	51.2421, 0.2404, 0.2848
Android (android.graphics.Color)	4286105834 (0xFF78C8EA)
YUV	179.9560, 26.6437, -52.5814
Hunter-Lab	71.5836, -17.4205, -20.6690

# Details

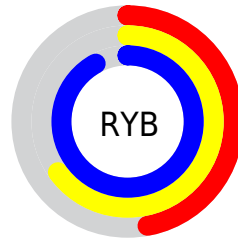
The Hex color **78C8EA** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **EA9A78**, and the grayscale version is **B4B4B4**.

A 20% lighter version of the original color is **B2FFFF**, and **3C92B2** is the 20% darker color. If you saturate the color by 10%, you get **61C1EA**, and if you desaturate by 10%, it is **8FCFEA**.

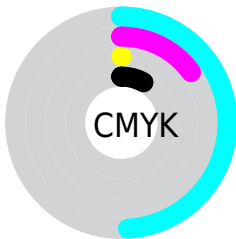
# Distribution



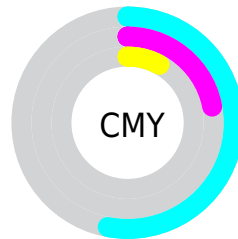
- Red (47%)
- Green (78%)
- Blue (92%)



- Red (47%)
- Yellow (65%)
- Blue (92%)



- Cyan (49%)
- Magenta (15%)
- Yellow (0%)
- Black (8%)



- Cyan (53%)
- Magenta (22%)
- Yellow (8%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 78C8EA 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 78C8EA by changing the saturation by 10% instead.



 78C8EA

 78C8EA

FFFFFF

 5BADCE

 B2FFFF

 3C92B2

 CFFFFFF

 147897

 EDFFFF

 005F7D

 004864

 00314C

 001D35

 000220

 000004

■ 78C8EA

■ 78C8EA

■ 61C1EA

■ 8FCFEA

■ 49BAEA

■ A7D6EA

■ 32B3EA

■ BEDDEA

■ 1AACEA

■ D6E4EA

■ 03A5EA

■ EDEBEA

■ 00A4EA

■ FFF2EA

■ FFF9EA

■ FFFFEA

# Harmonies

## Analogous

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



6DCCD5



78C8EA



99C1F3

# Triad

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



78C8EA



F0AAC1



B7C38E

# Complementary

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



78C8EA



EA9A78

# 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.



D3BB88



78C8EA



F3ACA6

# Square

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



78C8EA



DEAFDB



E9B291



98CAA0

# Rectangle

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



78C8EA



B2BBF0



E9B291



C1C18A

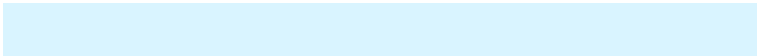


# Sweetspot

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



78C8EA



D9F4FF



78EA98



697980



000000



808080

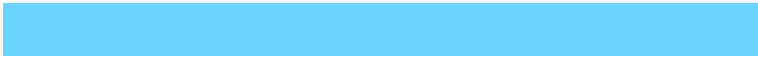


# Same Dimension

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



78C8EA



6BD3FF



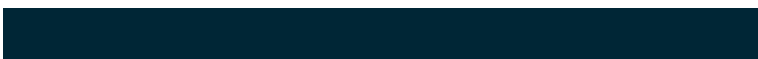
7891EA



6A7275



007FB5



002636



# Inverse Universe

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



EA78C8



FF6BD3



EAD178



756A72



B5007F

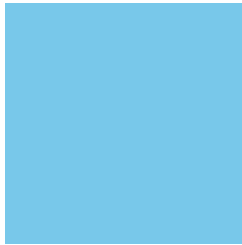


360026



# Previews

## White Background



This preview shows how the Hex color 78C8EA looks on a white background.

## Color Contrast Check

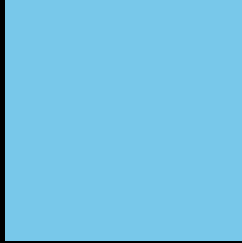
Large Text (above 18pt) WCAG AA × Fail

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 78C8EA 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 78C8EA Background



This preview shows how black text looks on a background with the Hex color 78C8EA.



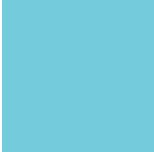
This preview shows how white text looks on a background with the Hex color 78C8EA.

# 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**  
73CBDB

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 78C8EA 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 #78C8EA looks like.

```
.text, #text, p{  
    color:#78C8EA  
}
```

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 #78C8EA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #78C8EA
}
```

## Border

The CSS property to change the border of an element to Hex 78C8EA 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
#78C8EA }
```

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

```
.border{ border-color:#78C8EA }
```

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

Here you see how a box with a 4 pixel #78C8EA colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #78C8EA; -webkit-box-shadow:4px 4px  
4px 4px #78C8EA; box-shadow:4px 4px 4px  
4px #78C8EA }
```

# Background

The CSS property to change the background color of an element to Hex 78C8EA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#78C8EA }
```

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

```
.background{ background-color:#78C8EA }
```

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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