

# Converting Colors

Hex(78BAE0)

Have a look what the booklet for  
Hex(78BAE0) contains.

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# **Color**

**Hex(78BAE0)**

# Conversions

## Conversions Part 1

Format	Color
Hex	78BAE0
RGB	120, 186, 224
RGB Percent	47%, 73%, 88%
CMY	0.5294, 0.2706, 0.1216
CMYK	0.46, 0.17, 0.00, 0.12
HSL	202°, 63%, 67%
HSV	202°, 46%, 88%
XYZ	38.7592, 44.4927, 77.0661
YIQ	170.5980, -51.5340, -2.1740

# Conversions

## Conversions Part 2

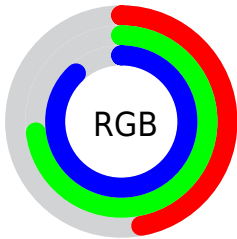
Format	Color
<b>RYB</b>	120, 160, 224
Decimal	7912160
CIELab	72.56, -10.93, -25.55
CIELCh	73, 27.793, 246.841
Yxy	44.4927, 0.2418, 0.2775
Android (android.graphics.Color)	4286102240 (0xFF78BAE0)
YUV	170.5980, 26.3272, -44.3744
Hunter-Lab	66.7028, -13.0086, -21.8096

# Details

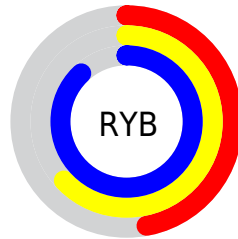
The Hex color **78BAE0** is a light color, and the websafe version is hex **66CCFF**. A complement of this color would be **E09E78**, and the grayscale version is **AAAAAA**.

A 20% lighter version of the original color is **B1F2FF**, and **3E85A9** is the 20% darker color. If you saturate the color by 10%, you get **62B2E0**, and if you desaturate by 10%, it is **8EC2E0**.

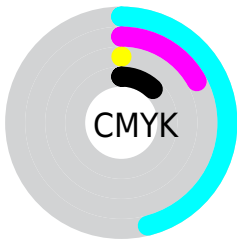
# Distribution



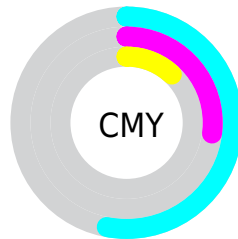
- Red (47%)
- Green (73%)
- Blue (88%)



- Red (47%)
- Yellow (63%)
- Blue (88%)



- Cyan (46%)
- Magenta (17%)
- Yellow (0%)
- Black (12%)



- Cyan (53%)
- Magenta (27%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 78BAE0 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 78BAE0 by changing the saturation by 10% instead.



 78BAE0

 78BAE0

FFFFFF

 5C9FC4

 B1F2FF

 3E85A9

 CEFFFF

 1C6C8E

 EBFFFF

 005374

 003C5C

 002744

 00132E

 000118

 000000

78BAE0

78BAE0

62B2E0

8EC2E0

4BAAE0

A5CAE0

35A1E0

BBD3E0

1E99E0

D2DBE0

0891E0

E8E3E0

008EE0

FEEBE0

FFF3E0

FFFBE0

FFFFE0

# Harmonies

## Analogous

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



65BFD0



78BAE0



9AB2E4

# Triad

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



78BAE0



E49FAD



A3BA89

# Complementary

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



78BAE0



E09E78

# 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.



BFB27F



78BAE0



E3A295

# Square

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



78BAE0



D8A2C7



D5AA84



85BE9D

# Rectangle

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



78BAE0



B2ACDF



D5AA84



ACB784

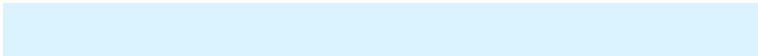


# Sweetspot

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



78BAE0



DBF2FF



78E09C



6A7880



000000



808080

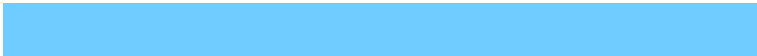


# Same Dimension

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



78BAE0



70CBFF



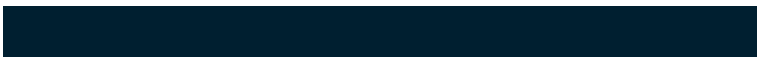
7888E0



656C70



0070B0



001F30



# Inverse Universe

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



E078BA



FF70CB



E0D078



70656C



B00070

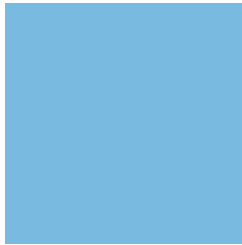


30001F



# Previews

## White Background



This preview shows how the Hex color 78BAE0 looks on a white background.

## Color Contrast Check

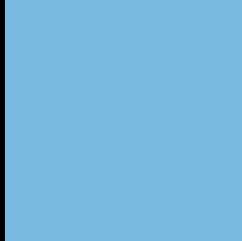
Large Text (above 18pt) WCAG AA × Fail

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 78BAE0 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

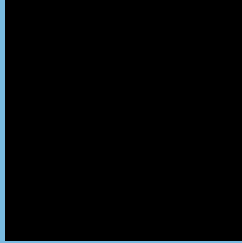
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 78BAE0 Background



This preview shows how black text looks on a background with the Hex color 78BAE0.

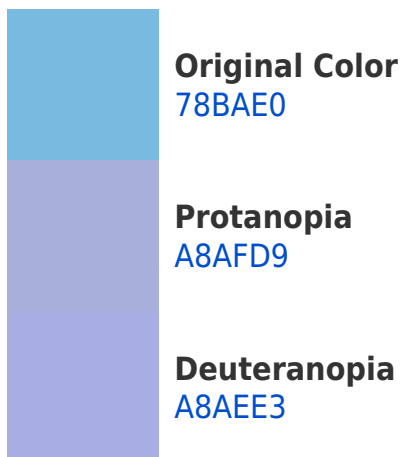


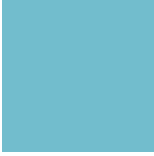
This preview shows how white text looks on a background with the Hex color 78BAE0.

# 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](#).

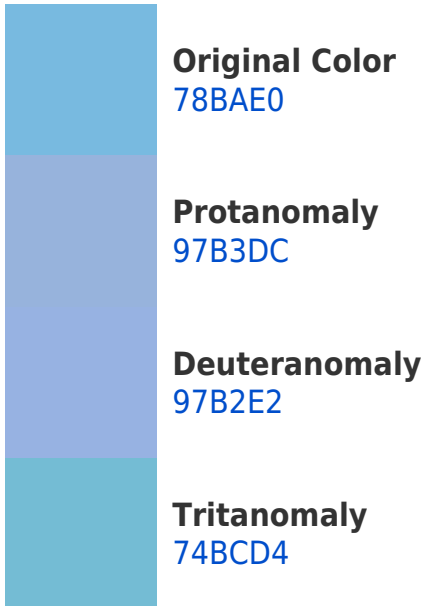
## Dichromacy





**Tritanopia**  
72BDCD

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 78BAE0 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 #78BAE0 looks like.

```
.text, #text, p{  
    color:#78BAE0  
}
```

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 #78BAE0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #78BAE0  
}
```

## Border

The CSS property to change the border of an element to Hex 78BAE0 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  
#78BAE0 }
```

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

```
.border{ border-color:#78BAE0 }
```

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

Here you see how a box with a 4 pixel #78BAE0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #78BAE0; -webkit-box-shadow:4px 4px  
4px 4px #78BAE0; box-shadow:4px 4px 4px  
4px #78BAE0 }
```

# Background

The CSS property to change the background color of an element to Hex 78BAE0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#78BAE0 }
```

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

```
.background{ background-color:#78BAE0 }
```

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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