

# Converting Colors

Hex(80B8E0)

Have a look what the booklet for  
Hex(80B8E0) contains.

<b>Hex(80B8E0)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# **Color**

**Hex(80B8E0)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80B8E0
RGB	128, 184, 224
RGB Percent	50%, 72%, 88%
CMY	0.4980, 0.2784, 0.1216
CMYK	0.43, 0.18, 0.00, 0.12
HSL	205°, 61%, 69%
HSV	205°, 43%, 88%
XYZ	39.4971, 44.2520, 76.9808
YIQ	171.8160, -46.2160, 0.5680

# Conversions

## Conversions Part 2

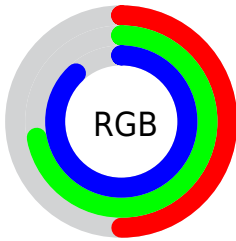
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	128, 163, 224
Decimal	8435936
CIE <sub>Lab</sub>	72.40, -7.90, -25.76
CIE <sub>LCh</sub>	72, 26.948, 252.948
Yxy	44.2520, 0.2457, 0.2753
Android (android.graphics.Color)	4286626016 (0xFF80B8E0)
YUV	171.8160, 25.7267, -38.4266
Hunter-Lab	66.5222, -10.4305, -22.0460

# Details

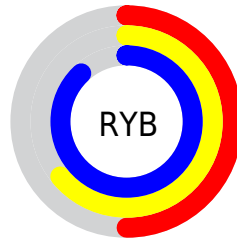
The Hex color **80B8E0** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **E0A880**, and the grayscale version is **ACACAC**.

A 20% lighter version of the original color is **B8F0FF**, and **4883A9** is the 20% darker color. If you saturate the color by 10%, you get **6AAFE0**, and if you desaturate by 10%, it is **96C1E0**.

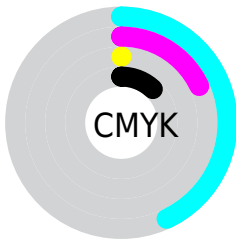
# Distribution



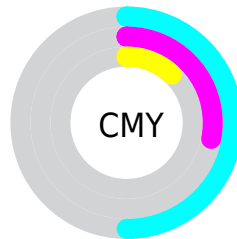
- Red (50%)
- Green (72%)
- Blue (88%)



- Red (50%)
- Yellow (64%)
- Blue (88%)



- Cyan (43%)
- Magenta (18%)
- Yellow (0%)
- Black (12%)



- Cyan (50%)
- Magenta (28%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 80B8E0 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 80B8E0 by changing the saturation by 10% instead.



 80B8E0

 80B8E0

FFFFFF

 649DC4

 B8F0FF

 4883A9

 D5FFFF

 2B6A8E

 F2FFFF

 005274

 003B5C

 002544

 00112E

 000118

 000000

80B8E0

80B8E0

6AAFE0

96C1E0

53A5E0

ADCBE0

3D9CE0

C3D4E0

2693E0

DADDE0

1089E0

F0E7E0

0083E0

FFF0E0

FFF9E0

FFFFE0

# Harmonies

## Analogous

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



6ABDD2



80B8E0



A2B0E1

# Triad

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



80B8E0



E3A0A8



9DBA8D

# Complementary

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



80B8E0



E0A880

# 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.



B9B381



80B8E0



E0A491

# Square

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



80B8E0



DAA1C1



D0AB83



81BEA2

# Rectangle

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



80B8E0



B9AADB



D0AB83



A6B888

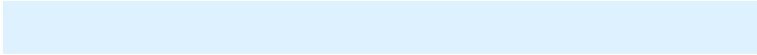


# Sweetspot

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



80B8E0



DEF1FF



80E0A8



6B7780



000000



808080

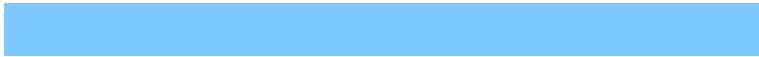


# Same Dimension

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



80B8E0



7DC9FF



8088E0



656C70



0067B0



001C30



# Inverse Universe

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



E080B8



FF7DC9



E0D880



70656C



B00067

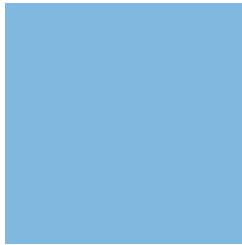


30001C



# Previews

## White Background



This preview shows how the Hex color 80B8E0 looks on a white background.

## Color Contrast Check

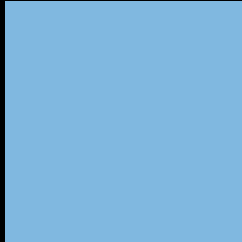
Large Text (above 18pt) WCAG AA × Fail

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 80B8E0 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 80B8E0 Background



This preview shows how black text looks on a background with the Hex color 80B8E0.

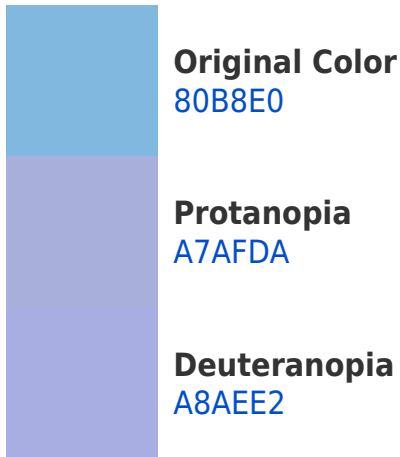


This preview shows how white text looks on a background with the Hex color 80B8E0.

# Color Blindness Simulation

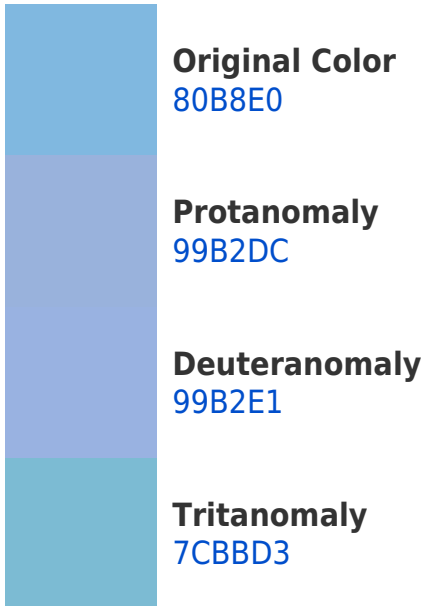
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy

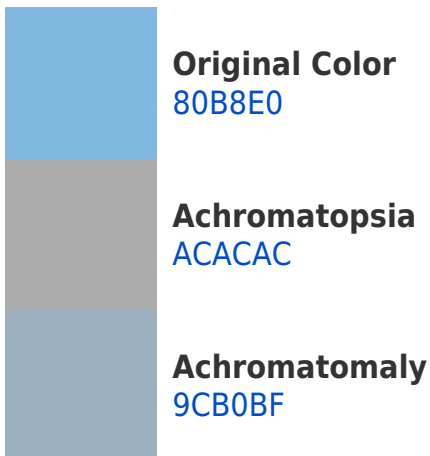




# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 80B8E0 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 #80B8E0 looks like.

```
.text, #text, p{  
    color:#80B8E0  
}
```

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 #80B8E0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #80B8E0
}
```

## Border

The CSS property to change the border of an element to Hex 80B8E0 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
#80B8E0 }
```

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

```
.border{ border-color:#80B8E0 }
```

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

Here you see how a box with a 4 pixel #80B8E0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #80B8E0; -webkit-box-shadow:4px 4px  
4px 4px #80B8E0; box-shadow:4px 4px 4px  
4px #80B8E0 }
```

# Background

The CSS property to change the background color of an element to Hex 80B8E0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#80B8E0 }
```

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

```
.background{ background-color:#80B8E0 }
```

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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