

# Converting Colors

Hex(80BDE5)

Have a look what the booklet for  
Hex(80BDE5) contains.

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# **Color**

**Hex(80BDE5)**

# Conversions

## Conversions Part 1

Format	Color
Hex	80BDE5
RGB	128, 189, 229
RGB Percent	50%, 74%, 90%
CMY	0.4980, 0.2588, 0.1020
CMYK	0.44, 0.17, 0.00, 0.10
HSL	204°, 66%, 70%
HSV	204°, 44%, 90%
XYZ	41.2425, 46.6415, 80.9577
YIQ	175.3210, -49.1960, -0.4920

# Conversions

## Conversions Part 2

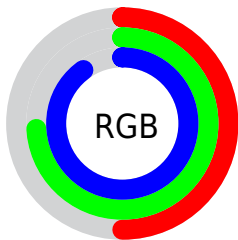
Format	Color
R <sub>Y</sub> B	128, 166, 229
Decimal	8437221
CIE Lab	73.96, -9.22, -26.08
CIE LCh	74, 27.667, 250.527
Yxy	46.6415, 0.2443, 0.2762
Android (android.graphics.Color)	4286627301 (0xFF80BDE5)
YUV	175.3210, 26.4637, -41.5005
Hunter-Lab	68.2946, -11.7209, -22.4773

# Details

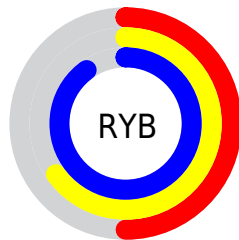
The Hex color **80BDE5** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **E5A880**, and the grayscale version is **AFAFAF**.

A 20% lighter version of the original color is **B9F5FF**, and **4888AD** is the 20% darker color. If you saturate the color by 10%, you get **69B4E5**, and if you desaturate by 10%, it is **97C6E5**.

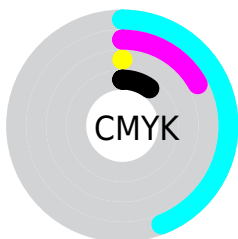
# Distribution



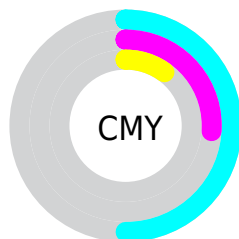
- Red (50%)
- Green (74%)
- Blue (90%)



- Red (50%)
- Yellow (65%)
- Blue (90%)



- Cyan (44%)
- Magenta (17%)
- Yellow (0%)
- Black (10%)



- Cyan (50%)
- Magenta (26%)
- Yellow (10%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 80BDE5 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 80BDE5 by changing the saturation by 10% instead.



 80BDE5

 80BDE5

FFFFFF

 64A2C9

 B9F5FF

 4888AD

 D6FFFF

 296E93

 F3FFFF

 005679

 003F60

 002948

 001531

 00021C

 000000

80BDE5

80BDE5

69B4E5

97C6E5

52ABE5

AECFE5

3BA2E5

C5D8E5

2499E5

DCE1E5

0D90E5

F3EAE5

008AE5

FFF3E5

FFFCE5

FFFFE5

# Harmonies

## Analogous

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



6BC2D6



80BDE5



A3B5E7

# Triad

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



80BDE5



E9A3AE



A3BE8F

# Complementary

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



80BDE5



E5A880

# 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.



BFB784



80BDE5



E6A796

# Square

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



80BDE5



DEA5C7



D7AF86



86C3A4

# Rectangle

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



80BDE5



BAAFE1



D7AF86



ADBC8A

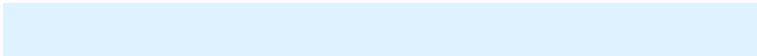


# Sweetspot

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



80BDE5



DEF2FF



80E5A7



6B7780



000000



808080

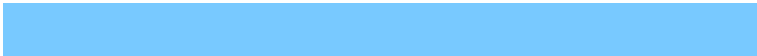


# Same Dimension

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



80BDE5



78C9FF



808CE5



676E73



006CB3



001F33



# Inverse Universe

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



E580BD



FF78C9



E5D980



73676E



B3006C

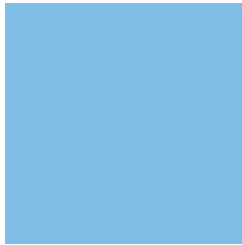


33001F



# Previews

## White Background



This preview shows how the Hex color 80BDE5 looks on a white background.

## Color Contrast Check

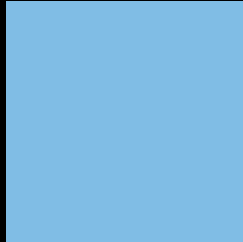
Large Text (above 18pt) WCAG AA × Fail

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 80BDE5 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

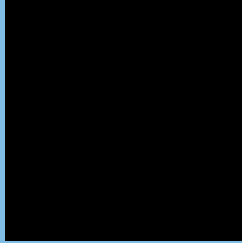
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

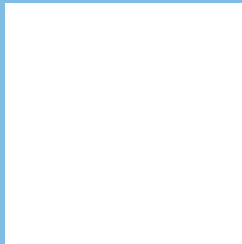
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 80BDE5 Background



This preview shows how black text looks on a background with the Hex color 80BDE5.

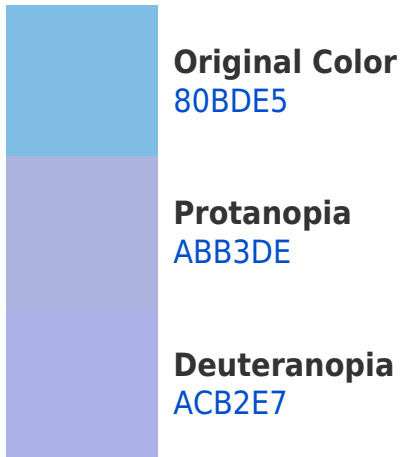


This preview shows how white text looks on a background with the Hex color 80BDE5.

# 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



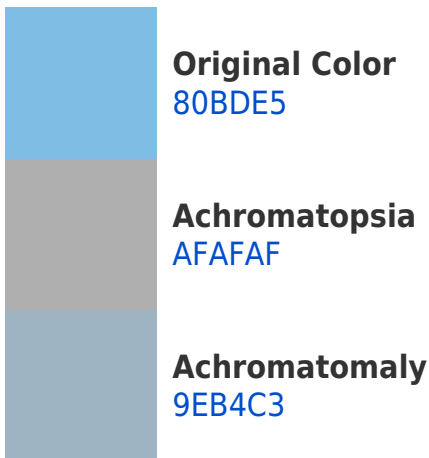


**Tritanopia**  
7AC1D0

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 80BDE5 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 #80BDE5 looks like.

```
.text, #text, p{  
    color:#80BDE5  
}
```

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 #80BDE5 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #80BDE5  
}
```

## Border

The CSS property to change the border of an element to Hex 80BDE5 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  
#80BDE5 }
```

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

```
.border{ border-color:#80BDE5 }
```

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

Here you see how a box with a 4 pixel #80BDE5 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #80BDE5; -webkit-box-shadow:4px 4px  
4px 4px #80BDE5; box-shadow:4px 4px 4px  
4px #80BDE5 }
```

# Background

The CSS property to change the background color of an element to Hex 80BDE5 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#80BDE5 }
```

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

```
.background{ background-color:#80BDE5 }
```

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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