

# Converting Colors

Hex(87A2D1)

Have a look what the booklet for  
Hex(87A2D1) contains.

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# **Color**

**Hex(87A2D1)**

# Conversions

## Conversions Part 1

Format	Color
Hex	87A2D1
RGB	135, 162, 209
RGB Percent	53%, 64%, 82%
CMY	0.4706, 0.3647, 0.1804
CMYK	0.35, 0.22, 0.00, 0.18
HSL	218°, 45%, 67%
HSV	218°, 35%, 82%
XYZ	34.4206, 35.5950, 65.3780
YIQ	159.2850, -31.1790, 8.8930

# Conversions

## Conversions Part 2

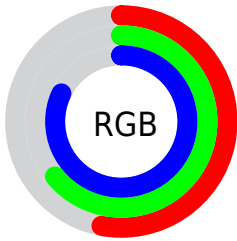
Format	Color
<a href="#">RYB</a>	135, 155, 209
Decimal	8889041
CIELab	66.21, 2.04, -26.99
CIELCh	66, 27.065, 274.330
Yxy	35.5950, 0.2542, 0.2629
Android (android.graphics.Color)	4287079121 (0xFF87A2D1)
YUV	159.2850, 24.5095, -21.2979
Hunter-Lab	59.6616, -1.4254, -23.2077

# Details

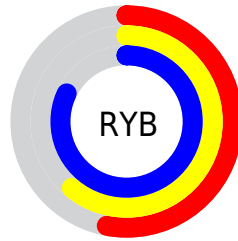
The Hex color **87A2D1** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **D1B687**, and the grayscale version is **9F9F9F**.

A 20% lighter version of the original color is **BED9FF**, and **526F9A** is the 20% darker color. If you saturate the color by 10%, you get **7295D1**, and if you desaturate by 10%, it is **9CAFD1**.

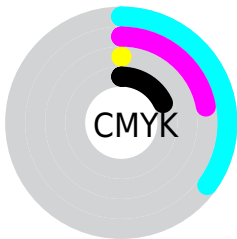
# Distribution



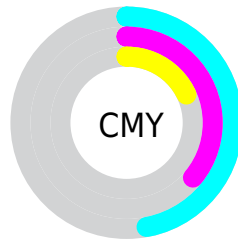
- Red (53%)
- Green (64%)
- Blue (82%)



- Red (53%)
- Yellow (61%)
- Blue (82%)



- Cyan (35%)
- Magenta (22%)
- Yellow (0%)
- Black (18%)



- Cyan (47%)
- Magenta (36%)
- Yellow (18%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 87A2D1 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 87A2D1 by changing the saturation by 10% instead.



 87A2D1

 87A2D1

FFFFFF

 6C88B5

 BED9FF

 526F9A

 DBF5FF

 385680

 F8FFFF

 1D3F67

 002A4F

 001538

 000222

 000008

 000000

 87A2D1

 87A2D1

 7295D1

 9CAFD1

 5D87D1

 B1BDD1

 487AD1

 C6CAD1

 336DD1

 DBD7D1

 1F60D1

 F0E4D1

 0A52D1

 FFF2D1

 004CD1

 FFFFD1

# Harmonies

## Analogous

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



66A9CC



87A2D1



A999C9

# Triad

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



87A2D1



D09287



78AD8B

# Complementary

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



87A2D1



D1B687

# 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.



94A878



87A2D1



C49876

# Square

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



87A2D1



D18F9E



AFA170



5FAFA4

# Rectangle

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



87A2D1



BC94BE



AFA170



82AB84

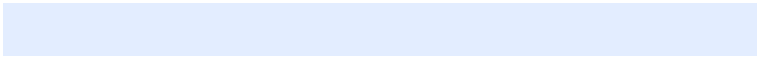


# Sweetspot

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



87A2D1



E3EDFF



87D1B6



6F7580



000000



808080



# Same Dimension

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



87A2D1



94BBFF



9187D1



5E6269



003DA8



000F29



# Inverse Universe

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



D187A2



FF94BB



C7D187



695E62



A8003D

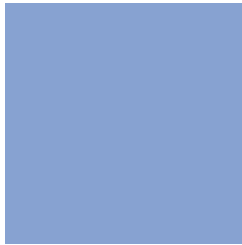


29000F



# Previews

## White Background



This preview shows how the Hex color 87A2D1 looks on a white background.

## Color Contrast Check

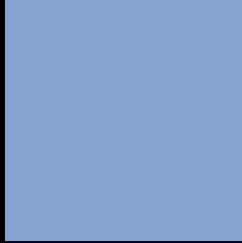
Large Text (above 18pt) WCAG AA × Fail

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 87A2D1 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

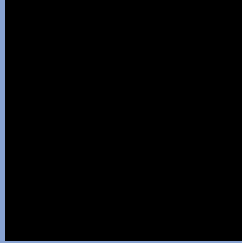
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 87A2D1 Background



This preview shows how black text looks on a background with the Hex color 87A2D1.

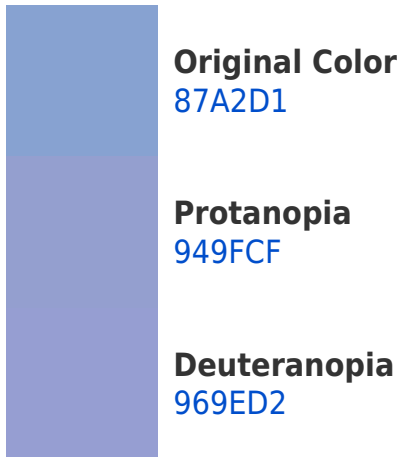


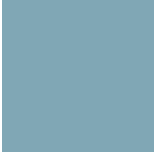
This preview shows how white text looks on a background with the Hex color 87A2D1.

# 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](#).

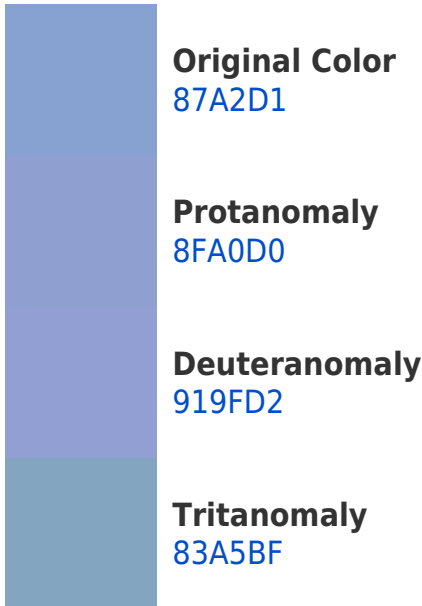
## Dichromacy



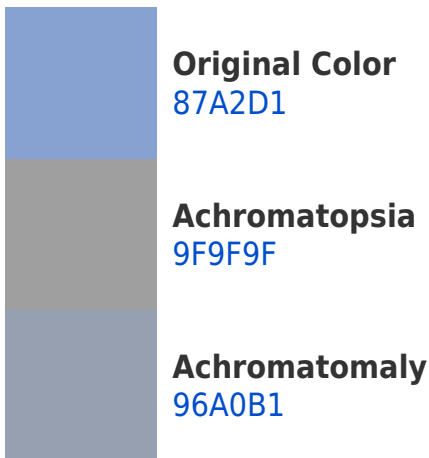


**Tritanopia**  
80A7B5

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 87A2D1 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 #87A2D1 looks like.

```
.text, #text, p{  
    color:#87A2D1  
}
```

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 #87A2D1 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #87A2D1
}
```

## Border

The CSS property to change the border of an element to Hex 87A2D1 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
#87A2D1 }
```

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

```
.border{ border-color:#87A2D1 }
```

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

Here you see how a box with a 4 pixel #87A2D1 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #87A2D1; -webkit-box-shadow:4px 4px  
4px 4px #87A2D1; box-shadow:4px 4px 4px  
4px #87A2D1 }
```

# Background

The CSS property to change the background color of an element to Hex 87A2D1 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#87A2D1 }
```

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

```
.background{ background-color:#87A2D1 }
```

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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