

# Converting Colors

Hex(83A7C8)

Have a look what the booklet for  
Hex(83A7C8) contains.

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# **Color**

**Hex(83A7C8)**

# Conversions

## Conversions Part 1

Format	Color
Hex	83A7C8
RGB	131, 167, 200
RGB Percent	51%, 65%, 78%
CMY	0.4863, 0.3451, 0.2157
CMYK	0.35, 0.16, 0.00, 0.22
HSL	209°, 39%, 65%
HSV	209°, 34%, 78%
XYZ	33.6041, 36.6329, 59.9433
YIQ	159.9980, -32.0490, 2.6310

# Conversions

## Conversions Part 2

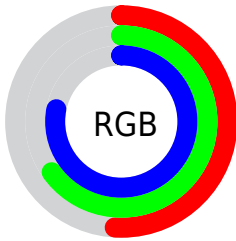
Format	Color
<a href="#">RYB</a>	<a href="#">131, 155, 200</a>
Decimal	<a href="#">8628168</a>
CIELab	<a href="#">67.00, -4.21, -20.81</a>
CIElCh	<a href="#">67, 21.233, 258.569</a>
Yxy	<a href="#">36.6329, 0.2581, 0.2814</a>
Android (android.graphics.Color)	<a href="#">4286818248 (0xFF83A7C8)</a>
YUV	<a href="#">159.9980, 19.7210, -25.4312</a>
Hunter-Lab	<a href="#">60.5251, -6.8140, -16.3525</a>

# Details

The Hex color **83A7C8** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **C8A483**, and the grayscale version is **A0A0A0**.

A 20% lighter version of the original color is **BADEFF**, and **4F7392** is the 20% darker color. If you saturate the color by 10%, you get **6F9DC8**, and if you desaturate by 10%, it is **97B1C8**.

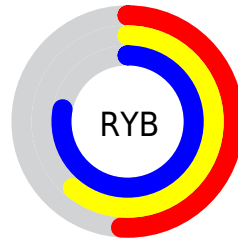
# Distribution



Red (51%)

Green (65%)

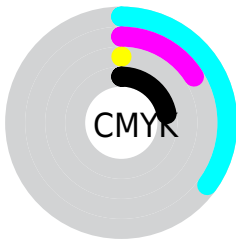
Blue (78%)



Red (51%)

Yellow (61%)

Blue (78%)

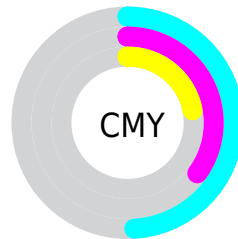


Cyan (35%)

Magenta (16%)

Yellow (0%)

Black (22%)



Cyan (49%)

Magenta (35%)

Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 83A7C8 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 83A7C8 by changing the saturation by 10% instead.



 83A7C8

 83A7C8

FFFFFF

 698DAD

 BADEFF

 4F7392

 D6FBFF

 355B78

 F3FFFF

 1A435F

 002D48

 001931

 00021C

 000000

 83A7C8

 83A7C8

6F9DC8

97B1C8

5B94C8

ABBAC8

478AC8

BFC4C8

3381C8

D3CDC8

1F77C8

E7D7C8

0B6EC8

FBE0C8

0068C8

FFEAC8

FFF4C8

FFFDC8

# Harmonies

## Analogous

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



71ACBF



83A7C8



9DA1C7

# Triad

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



83A7C8



CB9698



8FAB89

# Complementary

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



83A7C8



C8A483

# 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.



A5A67F



83A7C8



C69987

# Square

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



83A7C8



C596AB



B89F7E



7BAD9B

# Rectangle

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



83A7C8



AD9CC1



B89F7E



96A985



# Sweetspot

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



83A7C8



E6F3FF



83C8A3



707880



000000



808080

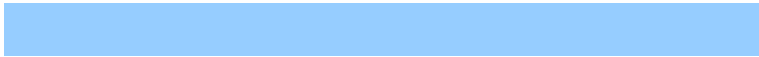


# Same Dimension

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



83A7C8



96CDFF



8385C8



5A5F63



0055A3



001324



# Inverse Universe

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



C883A7



FF96CD



C8C683



635A5F



A30055

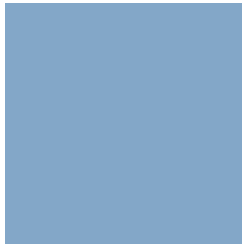


240013



# Previews

## White Background



This preview shows how the Hex color 83A7C8 looks on a white background.

## Color Contrast Check

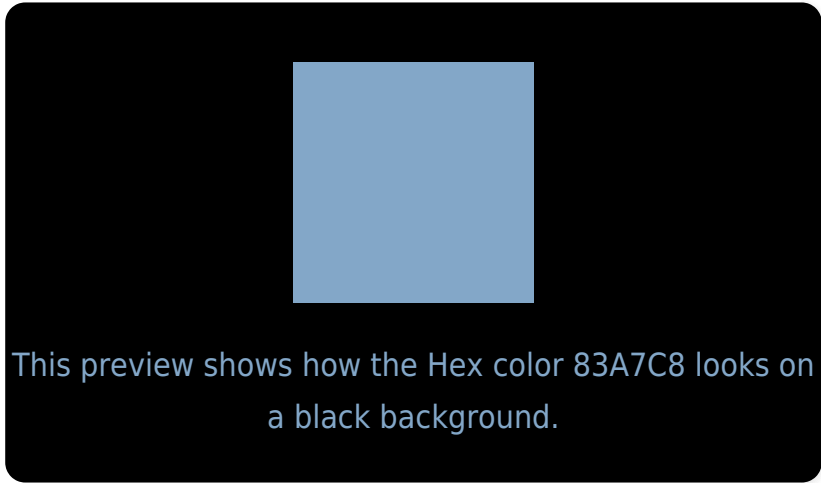
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

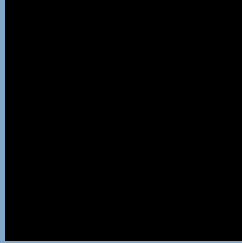
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

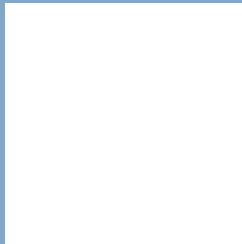
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 83A7C8 Background



This preview shows how black text looks on a background with the Hex color 83A7C8.

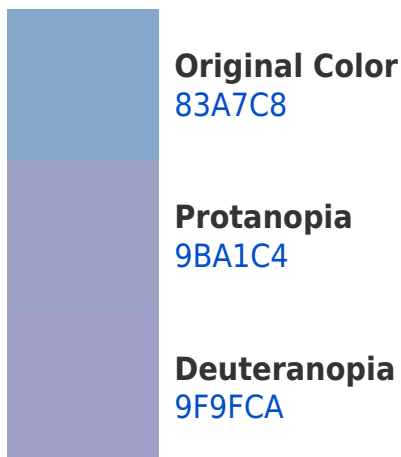


This preview shows how white text looks on a background with the Hex color 83A7C8.

# 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](#).

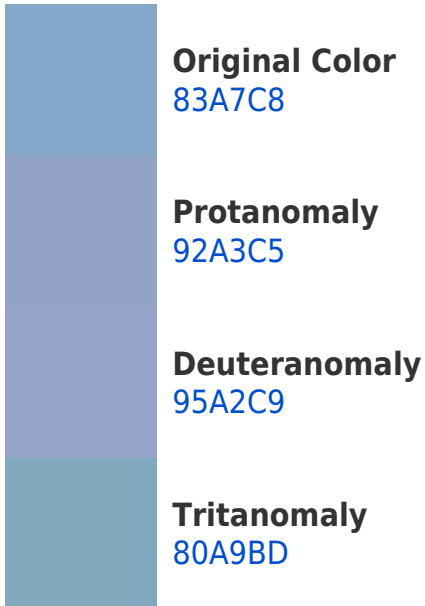
## Dichromacy



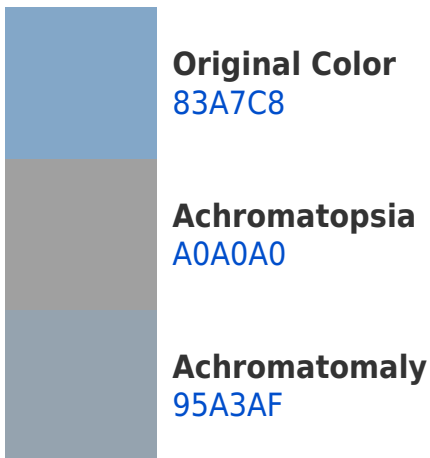


**Tritanopia**  
7FAAB7

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 83A7C8 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 #83A7C8 looks like.

```
.text, #text, p{  
    color:#83A7C8  
}
```

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 #83A7C8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #83A7C8
}
```

## Border

The CSS property to change the border of an element to Hex 83A7C8 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
#83A7C8 }
```

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

```
.border{ border-color:#83A7C8 }
```

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

Here you see how a box with a 4 pixel #83A7C8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #83A7C8; -webkit-box-shadow:4px 4px  
4px 4px #83A7C8; box-shadow:4px 4px 4px  
4px #83A7C8 }
```

# Background

The CSS property to change the background color of an element to Hex 83A7C8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#83A7C8 }
```

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

```
.background{ background-color:#83A7C8 }
```

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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