

# Converting Colors

Hex(83B6A6)

Have a look what the booklet for  
Hex(83B6A6) contains.

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# **Color**

**Hex(83B6A6)**

# Conversions

## Conversions Part 1

Format	Color
Hex	83B6A6
RGB	131, 182, 166
RGB Percent	51%, 71%, 65%
CMY	0.4863, 0.2863, 0.3490
CMYK	0.28, 0.00, 0.09, 0.29
HSL	161°, 26%, 61%
HSV	161°, 28%, 71%
XYZ	32.9710, 41.0344, 42.2591
YIQ	164.9270, -25.2600, -15.7880

# Conversions

## Conversions Part 2

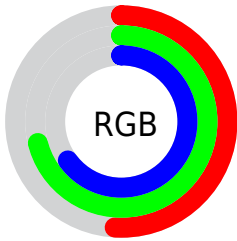
<b>Format</b>	<b>Color</b>
<b>RYB</b>	131, 161, 182
Decimal	8631974
CIELab	70.20, -20.23, 2.73
CIElCh	70, 20.417, 172.305
Yxy	41.0344, 0.2836, 0.3529
Android (android.graphics.Color)	4286822054 (0xFF83B6A6)
YUV	164.9270, 0.5290, -29.7540
Hunter-Lab	64.0581, -20.2269, 5.7271

# Details

The Hex color **83B6A6** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **B68393**, and the grayscale version is **A5A5A5**.

A 20% lighter version of the original color is **B9EEDD**, and **508172** is the 20% darker color. If you saturate the color by 10%, you get **71B6A0**, and if you desaturate by 10%, it is **95B6AC**.

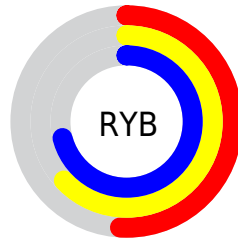
# Distribution



Red (51%)

Green (71%)

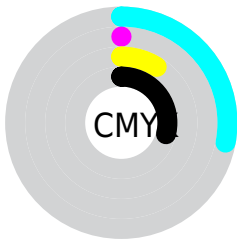
Blue (65%)



Red (51%)

Yellow (63%)

Blue (71%)

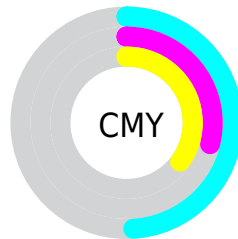


Cyan (28%)

Magenta (0%)

Yellow (9%)

Black (29%)



Cyan (49%)

Magenta (29%)

Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 83B6A6 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 83B6A6 by changing the saturation by 10% instead.





83B6A6



83B6A6

FFFFFF



699B8C



B9EEDD



508172



D5FFFA



37685A



F2FFFF



1E4F42



02382C



002318



000100




000000



83B6A6



83B6A6

 71B6A0

 95B6AC

 5FB69B

 A7B6B1

 4CB695

 BAB6B7

 3AB68F

 CCB6BD

 28B689

 DEB6C3

 16B684

 F0B6C8

 04B67E

 FFB6CE

 00B67D

 FFB6D4

 FFB6D9

# Harmonies

## Analogous

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



96B394



83B6A6



79B6B9

# Triad

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



83B6A6



A9A9CE



CCA38F

# Complementary

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



83B6A6



B68393

# 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.



D29F9E



83B6A6



BFA3C2

# Square

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



83B6A6



90AFD0



CE9FB1



BEA987

# Rectangle

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



83B6A6



7AB5C4



CE9FB1



CFA193



# Sweetspot

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



83B6A6



DAEDE7



93B683



6C7874



F7F7F7



787878



# Same Dimension

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



83B6A6



9DEDD4



83ADB6



535C59



009C6B



001C13



# Inverse Universe

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



B68393



ED9DB6



B68C83



5C5356



9C0031



1C0009



# Previews

## White Background



This preview shows how the Hex color 83B6A6 looks on a white background.

## Color Contrast Check

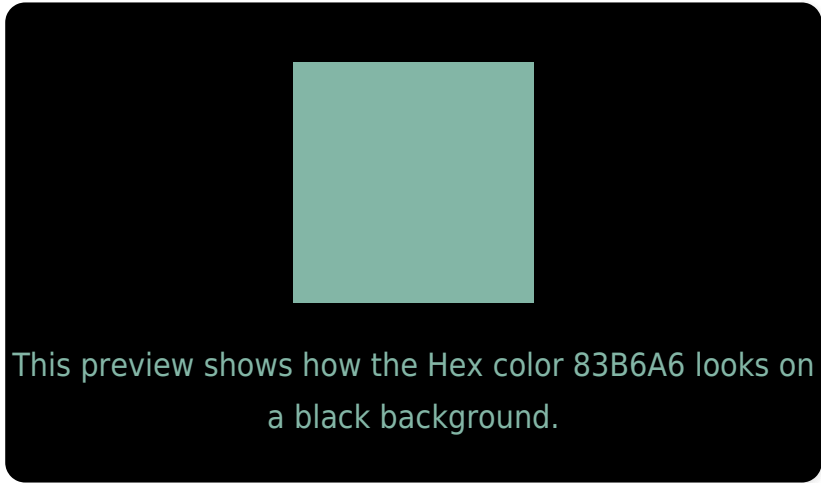
Large Text (above 18pt) WCAG AA × Fail

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

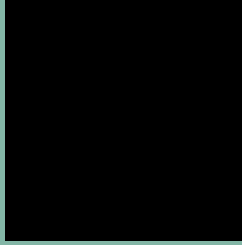
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 83B6A6 Background



This preview shows how black text looks on a background with the Hex color 83B6A6.

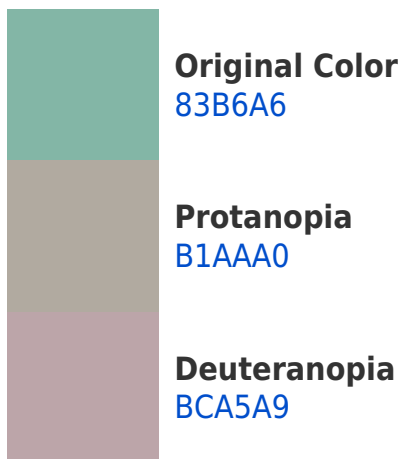


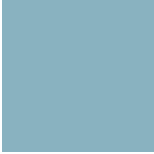
This preview shows how white text looks on a background with the Hex color 83B6A6.

# 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](#).

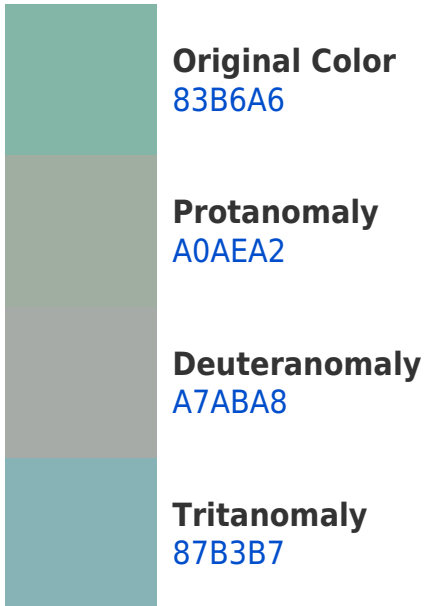
## Dichromacy



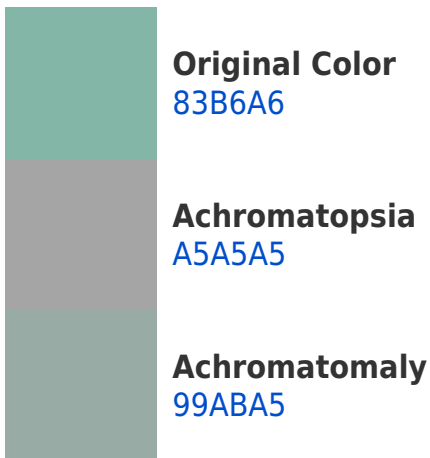


**Tritanopia**  
89B2C0

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 83B6A6 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 #83B6A6 looks like.

```
.text, #text, p{  
    color:#83B6A6  
}
```

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 #83B6A6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #83B6A6
}
```

## Border

The CSS property to change the border of an element to Hex 83B6A6 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
#83B6A6 }
```

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

```
.border{ border-color:#83B6A6 }
```

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

Here you see how a box with a 4 pixel #83B6A6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #83B6A6; -webkit-box-shadow:4px 4px  
4px 4px #83B6A6; box-shadow:4px 4px 4px  
4px #83B6A6 }
```

# Background

The CSS property to change the background color of an element to Hex 83B6A6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#83B6A6 }
```

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

```
.background{ background-color:#83B6A6 }
```

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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