

# Converting Colors

Hex(90BCBA)

Have a look what the booklet for  
Hex(90BCBA) contains.

<b>Hex(90BCBA)</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(90BCBA)**

# Conversions

## Conversions Part 1

Format	Color
Hex	90BCBA
RGB	144, 188, 186
RGB Percent	56%, 74%, 73%
CMY	0.4353, 0.2627, 0.2706
CMYK	0.23, 0.00, 0.01, 0.26
HSL	177°, 25%, 65%
HSV	177°, 23%, 74%
XYZ	38.3477, 45.4409, 53.2042
YIQ	174.6160, -25.5820, -9.9500

# Conversions

## Conversions Part 2

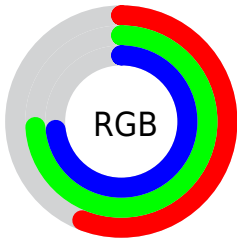
Format	Color
<a href="#">RYB</a>	<a href="#">144, 167, 188</a>
Decimal	<a href="#">9485498</a>
CIELab	<a href="#">73.18, -14.94, -3.77</a>
CIElCh	<a href="#">73, 15.407, 194.154</a>
Yxy	<a href="#">45.4409, 0.2799, 0.3317</a>
Android (android.graphics.Color)	<a href="#">4287675578</a> ( <a href="#">0xFF90BCBA</a> )
YUV	<a href="#">174.6160, 5.6123, -26.8502</a>
Hunter-Lab	<a href="#">67.4099, -16.4232, 0.3914</a>

# Details

The Hex color **90BCBA** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **BC9092**, and the grayscale version is **AFAFAF**.

A 20% lighter version of the original color is **C7F4F2**, and **5C8785** is the 20% darker color. If you saturate the color by 10%, you get **7DBCBB**, and if you desaturate by 10%, it is **A3BCBB**.

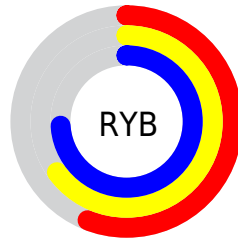
# Distribution



Red (56%)

Green (74%)

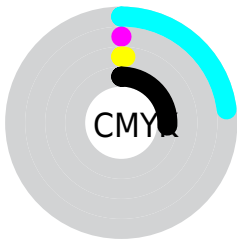
Blue (73%)



Red (56%)

Yellow (65%)

Blue (74%)

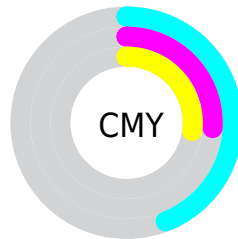


Cyan (23%)

Magenta (0%)

Yellow (1%)

Black (26%)



Cyan (44%)

Magenta (26%)

Yellow (27%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 90BCBA 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 90BCBA by changing the saturation by 10% instead.



 90BCBA

 90BCBA

FFFFFF

 76A19F

 C7F4F2

 5C8785

 E3FFFF

 436D6C

 2B5554

 123E3C

 002727

 001412

 000000

 90BCBA

 90BCBA

7DBC B9

A3BC B B

6ABC B8

B6BC BC

58BC B7

C8BC BD

45BC B7

DBBC BD

32BC B6

EEBC BE

1FBC B5

FFBC BF

0CBC B4

FFBC C0

00BC B3

FFBC C1

FFBC C2

# Harmonies

## Analogous

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



99BBAC



90BCBA



91BBC7

# Triad

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



90BCBA



BEAEC8



C6B099

# Complementary

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



90BCBA



BC9092

# 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.



CFACA1



90BCBA



CCABBC

# Square

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



90BCBA



ADB3CF



D2AAAD



B8B598

# Rectangle

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



90BCBA



97B8CD



D2AAAD



CAAF9B

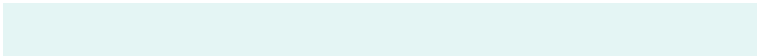


# Sweetspot

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



90BCBA



E4F5F4



92BC90



717A7A



FAFAFA



7A7A7A

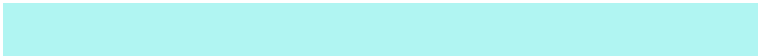


# Same Dimension

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



90BCBA



B0F5F2



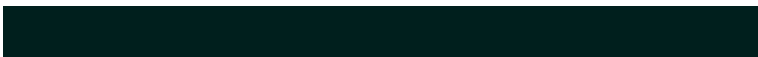
90A8BC



555E5E



009E97



001F1D



# Inverse Universe

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



BC9092



F5B0B3



BCA490



5E5555



9E0007



1F0001



# Previews

## White Background



This preview shows how the Hex color 90BCBA looks on a white background.

## Color Contrast Check

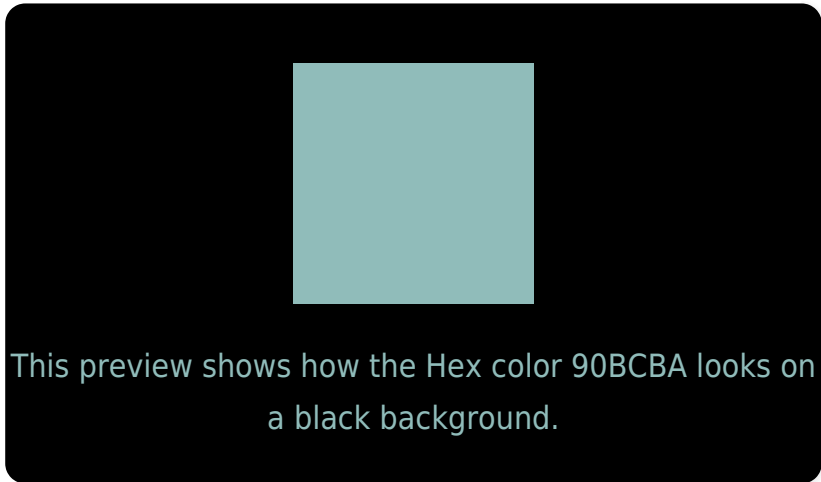
Large Text (above 18pt) WCAG AA × Fail

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

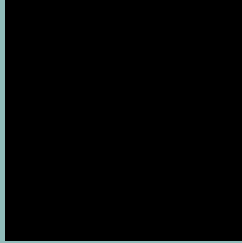
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

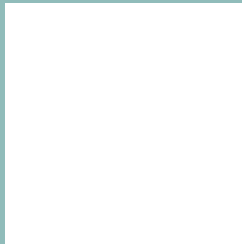
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 90BCBA Background



This preview shows how black text looks on a background with the Hex color 90BCBA.



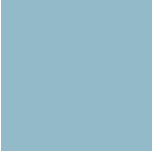
This preview shows how white text looks on a background with the Hex color 90BCBA.

# 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](#).

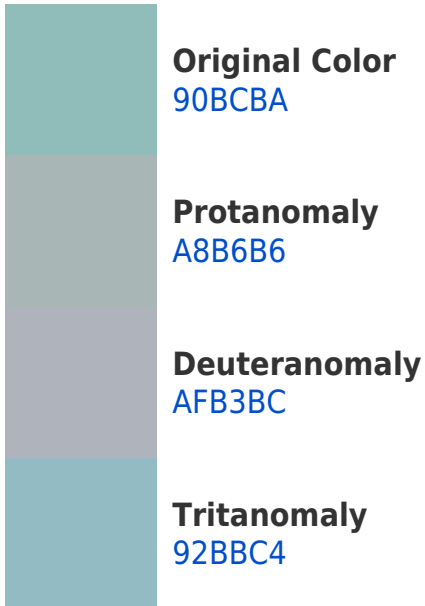
## Dichromacy



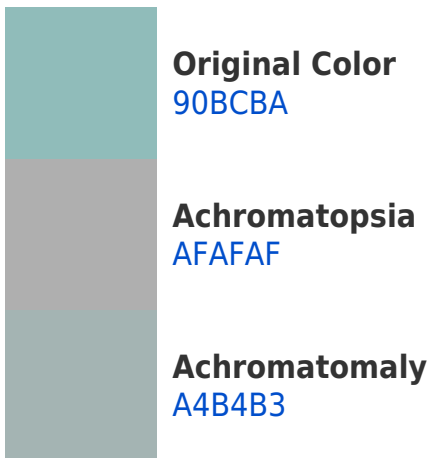


**Tritanopia**  
93BAC9

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 90BCBA 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 #90BCBA looks like.

```
.text, #text, p{  
    color:#90BCBA  
}
```

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 #90BCBA colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #90BCBA
}
```

## Border

The CSS property to change the border of an element to Hex 90BCBA 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
#90BCBA }
```

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

```
.border{ border-color:#90BCBA }
```

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

Here you see how a box with a 4 pixel #90BCBA colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #90BCBA; -webkit-box-shadow:4px 4px  
4px 4px #90BCBA; box-shadow:4px 4px 4px  
4px #90BCBA }
```

# Background

The CSS property to change the background color of an element to Hex 90BCBA is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#90BCBA }
```

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

```
.background{ background-color:#90BCBA }
```

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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