

# Converting Colors

Hex(209BAB)

Have a look what the booklet for  
Hex(209BAB) contains.

<b>Hex(209BAB)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(209BAB)**

# Conversions

## Conversions Part 1

Format	Color
Hex	209BAB
RGB	32, 155, 171
RGB Percent	13%, 61%, 67%
CMY	0.8745, 0.3922, 0.3294
CMYK	0.81, 0.09, 0.00, 0.33
HSL	187°, 68%, 40%
HSV	187°, 81%, 67%
XYZ	19.6677, 26.6900, 42.6432
YIQ	120.0470, -78.4440, -21.1000

# Conversions

## Conversions Part 2

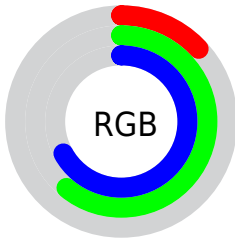
<b>Format</b>	<b>Color</b>
<b>RYB</b>	32, 97, 171
Decimal	2137003
CIELab	58.69, -26.18, -17.56
CIELCh	59, 31.527, 213.844
Yxy	26.6900, 0.2210, 0.2999
Android (android.graphics.Color)	4280327083 (0xFF209BAB)
YUV	120.0470, 25.1198, -77.2172
Hunter-Lab	51.6624, -22.4549, -12.7755

# Details

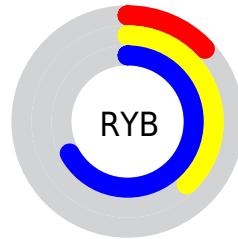
The Hex color **209BAB** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **AB3020**, and the grayscale version is **787878**.

A 20% lighter version of the original color is **67D2E2**, and **006777** is the 20% darker color. If you saturate the color by 10%, you get **0F99AB**, and if you desaturate by 10%, it is **319DAB**.

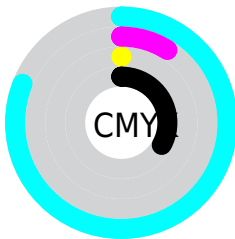
# Distribution



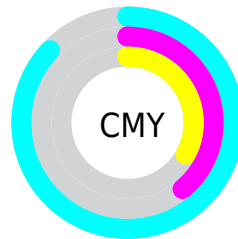
- Red (13%)
- Green (61%)
- Blue (67%)



- Red (13%)
- Yellow (38%)
- Blue (67%)



- Cyan (81%)
- Magenta (9%)
- Yellow (0%)
- Black (33%)



- Cyan (87%)
- Magenta (39%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 209BAB 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 209BAB by changing the saturation by 10% instead.



 209BAB

 209BAB

FFFFFF

 008190

 67D2E2

 006777

 85EEFF

 004F5E

 A3FFFF

 003846

 C1FFFF

 002330

 DFFFFF

 00011C


FDFFFF

 000000

 209BAB

 209BAB

 0F99AB

 319DAB

0097AB

429FAB

53A1AB

64A3AB

75A5AB

87A7AB

98A9AB

A9ABAB

BAADAB

# Harmonies

## Analogous

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



399C90



209BAB



3D97BE

# Triad

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



209BAB



B37CA6



9C8D56

# Complementary

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



209BAB



AB3020

# 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.



B4835C



209BAB



C2788B

# Square

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



209BAB



9585BB



C17B70



7F955E

# Rectangle

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



209BAB



5C92C4



C17B70



A58A56



# Sweetspot

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



209BAB



A9D8DE



20AB2E



506C70



F0F0F0



707070



# Same Dimension

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



209BAB



04C5DE



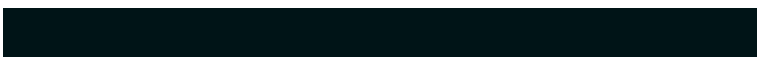
2058AB



4E5657



008596



001417



# Inverse Universe

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



AB209B



DE04C5



AB7320



574E56



960085



170014



# Previews

## White Background



This preview shows how the Hex color 209BAB looks on a white background.

## Color Contrast Check

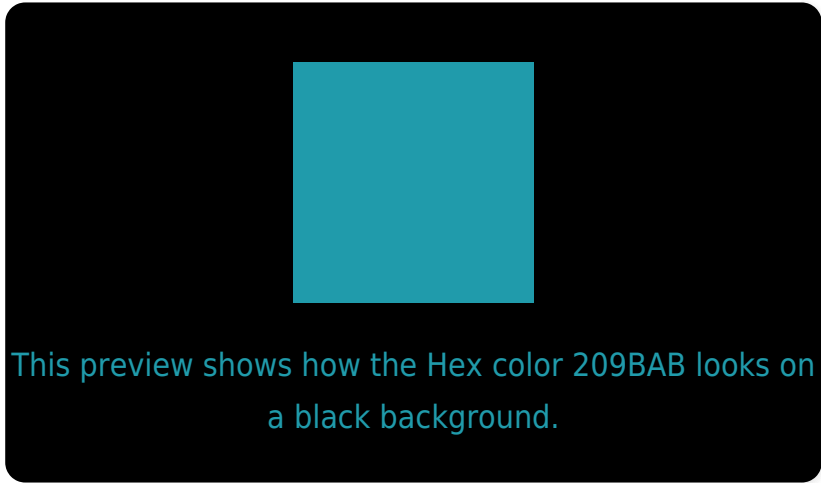
Large Text (above 18pt) WCAG AA ✓ Pass

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

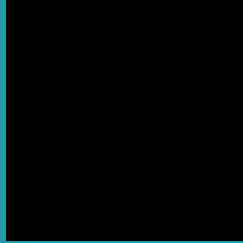
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 209BAB Background



This preview shows how black text looks on a background with the Hex color 209BAB.

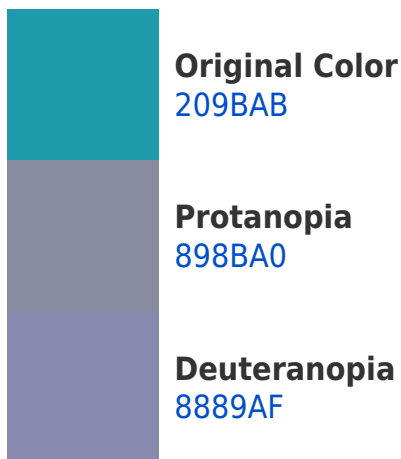


This preview shows how white text looks on a background with the Hex color 209BAB.

# 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](#).

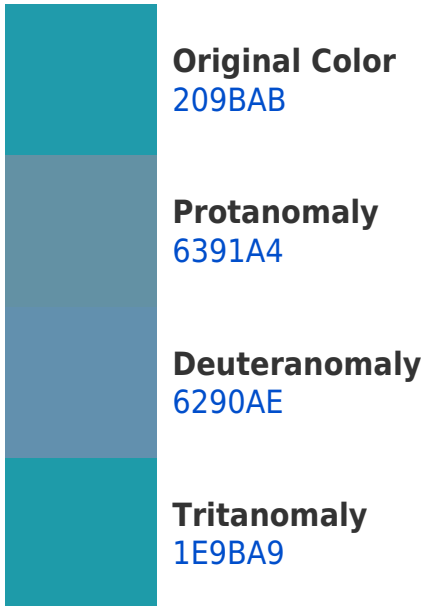
## Dichromacy



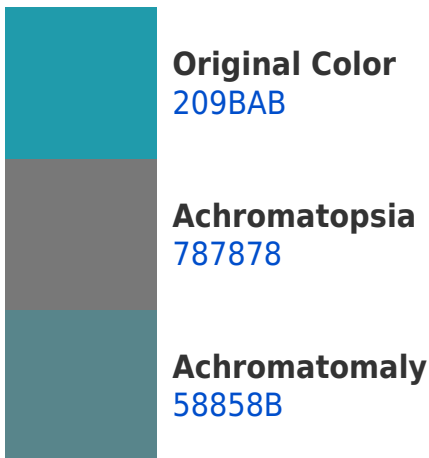


**Tritanopia**  
1D9BA8

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 209BAB 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 #209BAB looks like.

```
.text, #text, p{  
    color:#209BAB  
}
```

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 #209BAB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #209BAB
}
```

## Border

The CSS property to change the border of an element to Hex 209BAB 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
#209BAB }
```

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

```
.border{ border-color:#209BAB }
```

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

Here you see how a box with a 4 pixel #209BAB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #209BAB; -webkit-box-shadow:4px 4px  
4px 4px #209BAB; box-shadow:4px 4px 4px  
4px #209BAB }
```

# Background

The CSS property to change the background color of an element to Hex 209BAB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#209BAB }
```

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

```
.background{ background-color:#209BAB }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor