

# Converting Colors

Hex(22B0BE)

Have a look what the booklet for  
Hex(22B0BE) contains.

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# Color

Hex(22B0BE)

# Conversions

## Conversions Part 1

Format	Color
Hex	22B0BE
RGB	34, 176, 190
RGB Percent	13%, 69%, 75%
CMY	0.8667, 0.3098, 0.2549
CMYK	0.82, 0.07, 0.00, 0.25
HSL	185°, 70%, 44%
HSV	185°, 82%, 75%
XYZ	25.4793, 35.1085, 54.1489
YIQ	135.1380, -89.1260, -25.7500

# Conversions

## Conversions Part 2

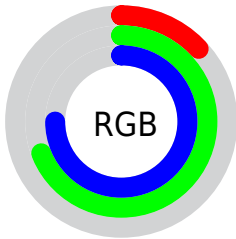
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	34, 108, 190
Decimal	2273470
CIE <sub>Lab</sub>	65.83, -30.34, -17.36
CIE <sub>LCh</sub>	66, 34.953, 209.787
Yxy	35.1085, 0.2221, 0.3060
Android (android.graphics.Color)	4280463550 (0xFF22B0BE)
YUV	135.1380, 27.0470, -88.6980
Hunter-Lab	59.2524, -26.9344, -12.7066

# Details

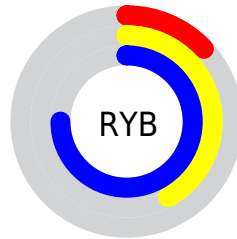
The Hex color **22B0BE** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **BE3022**, and the grayscale version is **878787**.

A 20% lighter version of the original color is **6DE8F6**, and **007B89** is the 20% darker color. If you saturate the color by 10%, you get **0FAEBE**, and if you desaturate by 10%, it is **35B2BE**.

# Distribution



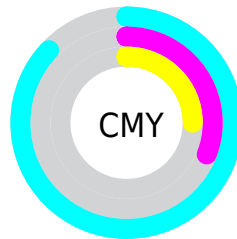
- Red (13%)
- Green (69%)
- Blue (75%)



- Red (13%)
- Yellow (42%)
- Blue (75%)



- Cyan (82%)
- Magenta (7%)
- Yellow (0%)
- Black (25%)



- Cyan (87%)
- Magenta (31%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 22B0BE 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 22B0BE by changing the saturation by 10% instead.



 22B0BE

 22B0BE

FFFFFF

 0095A3

 6DE8F6

 007B89

 8CFFFF

 00626F

 ABFFFF

 004957

 C9FFFF

 003240

 E8FFFF

 001E29

 000115

 000000

 22B0BE

 22B0BE

0FAEBE

35B2BE

00ADBE

48B3BE

5BB5BE

6EB7BE

81B9BE

94BABE

A7BCBE

BABEBE

CDBFBE

# Harmonies

## Analogous

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



46B19F



22B0BE



3DABD5

# Triad

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



22B0BE



C78DC0



B59E61

# Complementary

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



22B0BE



BE3022

# 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.



CE936B



22B0BE



DB88A1

# Square

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



22B0BE



A398D6



DC8A82



94A768

# Rectangle

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



22B0BE



61A6DD



DC8A82



BE9A62



# Sweetspot

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



22B0BE



BAF2F7



22BE2F



577A7D



FCFCFC



7D7D7D



# Same Dimension

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



22B0BE



02E1F7



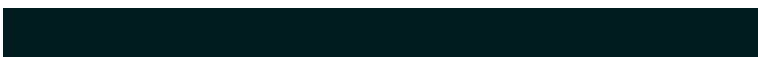
2263BE



555E5E



00909E



001C1F



# Inverse Universe

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



BE22B0



F702E1



BE7D22



5E555E



9E0090



1F001C



# Previews

## White Background



This preview shows how the Hex color 22B0BE looks on a white background.

## Color Contrast Check

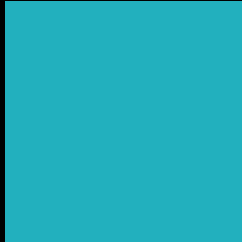
Large Text (above 18pt) WCAG AA × Fail

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 22B0BE looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

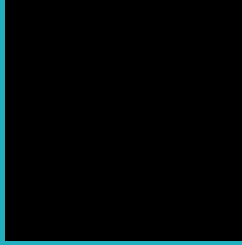
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

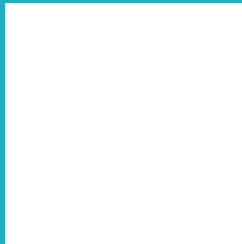
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 22B0BE Background



This preview shows how black text looks on a background with the Hex color 22B0BE.

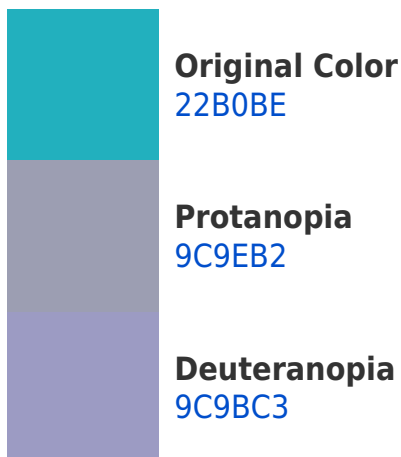


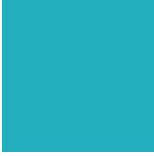
This preview shows how white text looks on a background with the Hex color 22B0BE.

# 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](#).

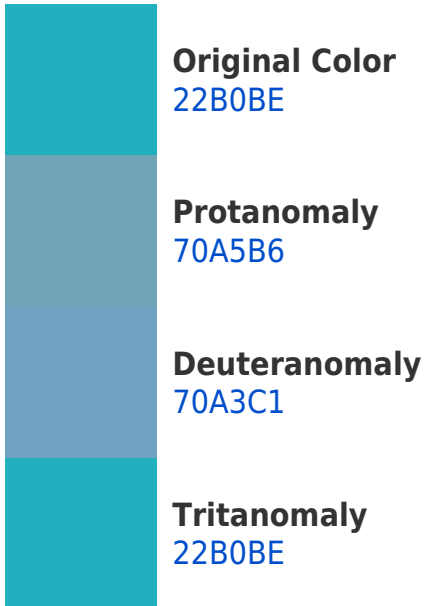
## Dichromacy



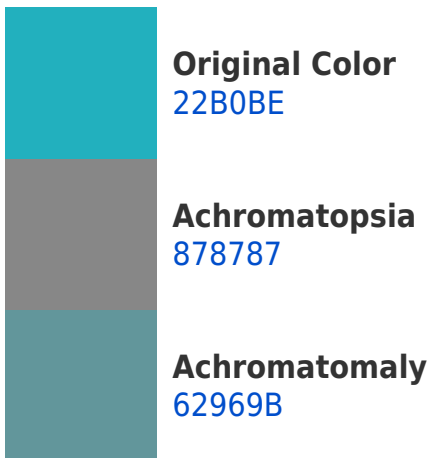


**Tritanopia**  
22B0BE

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 22B0BE 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 #22B0BE looks like.

```
.text, #text, p{  
    color:#22B0BE  
}
```

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 #22B0BE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #22B0BE
}
```

## Border

The CSS property to change the border of an element to Hex 22B0BE 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
#22B0BE }
```

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

```
.border{ border-color:#22B0BE }
```

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

Here you see how a box with a 4 pixel #22B0BE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #22B0BE; -webkit-box-shadow:4px 4px  
4px 4px #22B0BE; box-shadow:4px 4px 4px  
4px #22B0BE }
```

# Background

The CSS property to change the background color of an element to Hex 22B0BE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#22B0BE }
```

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

```
.background{ background-color:#22B0BE }
```

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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