

# Converting Colors

Hex(22C0BF)

Have a look what the booklet for  
Hex(22C0BF) contains.

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# Color

Hex(22C0BF)

# Conversions

## Conversions Part 1

Format	Color
Hex	22C0BF
RGB	34, 192, 191
RGB Percent	13%, 75%, 75%
CMY	0.8667, 0.2471, 0.2510
CMYK	0.82, 0.00, 0.01, 0.25
HSL	180°, 70%, 44%
HSV	180°, 82%, 75%
XYZ	28.9133, 41.8009, 55.8347
YIQ	144.6440, -93.8470, -33.8070

# Conversions

## Conversions Part 2

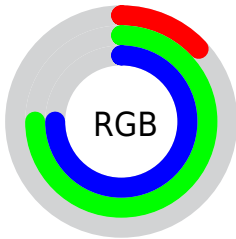
Format	Color
<b>RYB</b>	34, 113, 192
Decimal	2277567
CIELab	70.73, -37.58, -10.54
CIElCh	71, 39.031, 195.671
Yxy	41.8009, 0.2285, 0.3303
Android (android.graphics.Color)	4280467647 (0xFF22C0BF)
YUV	144.6440, 22.8535, -97.0348
Hunter-Lab	64.6536, -33.3182, -5.9451

# Details

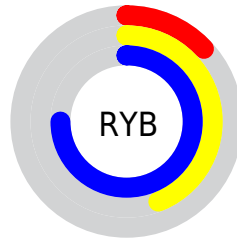
The Hex color **22C0BF** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted spring green. A complement of this color would be **C02223**, and the grayscale version is **909090**.

A 20% lighter version of the original color is **70F9F7**, and **008A8A** is the 20% darker color. If you saturate the color by 10%, you get **0FC0BF**, and if you desaturate by 10%, it is **35C0BF**.

# Distribution



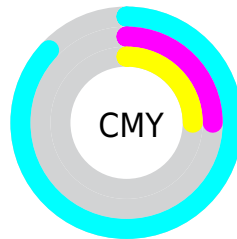
- Red (13%)
- Green (75%)
- Blue (75%)



- Red (13%)
- Yellow (44%)
- Blue (75%)



- Cyan (82%)
- Magenta (0%)
- Yellow (1%)
- Black (25%)



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

# Brightness & Saturation Gradients

These gradients show how the Hex color 22C0BF 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 22C0BF by changing the saturation by 10% instead.



 22C0BF

 22C0BF

FFFFFF

 00A5A4

 70F9F7

 008A8A

 8FFFFFFF

 007070

 AEFFFF

 005758

 CDFFFF

 003E41

 EBFFFF

 00292B

 000617

 000000

 22C0BF

 22C0BF

0FC0BF

35C0BF

00C0BF

48C0BF

5CC0BF

6FC0BF

82C0C0

95C0C0

A8C0C0

BCC0C0

CFC0C0

# Harmonies

## Analogous

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



5CBF9A



22C0BF



0DBDDF

# Triad

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



22C0BF



C89DDF



D3A568

# Complementary

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



22C0BF



C02223

# 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.



EA997C



22C0BF



E793C0

# Square

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



22C0BF



98AAF1



F2929C



B2B167

# Rectangle

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



22C0BF



43B9ED



F2929C



DCA16D

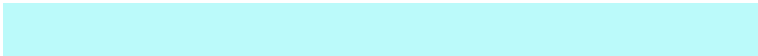


# Sweetspot

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



22C0BF



BBFAFA



25C022



577D7D



FCFCFC



7D7D7D



# Same Dimension

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



22C0BF



02FAF8



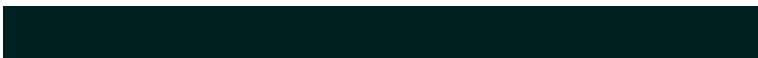
2274C0



576161



00A1A0



002121



# Inverse Universe

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



C02223



FA0204



C06E22



615757



A10001

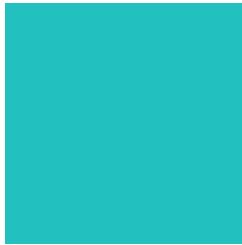


210000



# Previews

## White Background



This preview shows how the Hex color 22C0BF looks on a white background.

## Color Contrast Check

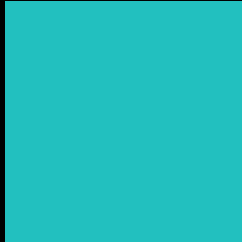
Large Text (above 18pt) WCAG AA × Fail

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 22C0BF looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

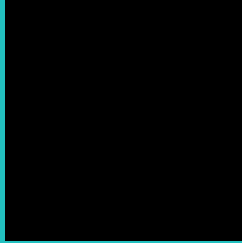
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

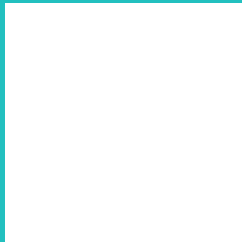
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 22C0BF Background



This preview shows how black text looks on a background with the Hex color 22C0BF.

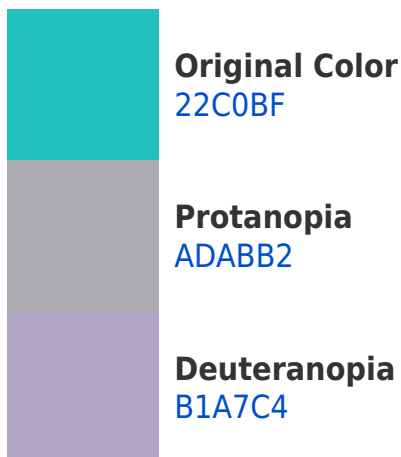


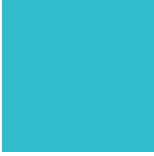
This preview shows how white text looks on a background with the Hex color 22C0BF.

# 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**  
30BECD

# Trichromacy



**Original Color**  
22C0BF



**Protanomaly**  
7AB3B7



**Deuteranomaly**  
7DB0C2



**Tritanomaly**  
2BBFC8

# Monochromacy



**Original Color**  
22C0BF



**Achromatopsia**  
919191



**Achromatomaly**  
69A2A2

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 22C0BF 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 #22C0BF looks like.

```
.text, #text, p{  
    color:#22C0BF  
}
```

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 #22C0BF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #22C0BF
}
```

## Border

The CSS property to change the border of an element to Hex 22C0BF 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
#22C0BF }
```

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

```
.border{ border-color:#22C0BF }
```

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

Here you see how a box with a 4 pixel #22C0BF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #22C0BF; -webkit-box-shadow:4px 4px  
4px 4px #22C0BF; box-shadow:4px 4px 4px  
4px #22C0BF }
```

# Background

The CSS property to change the background color of an element to Hex 22C0BF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#22C0BF }
```

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

```
.background{ background-color:#22C0BF }
```

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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