

# Converting Colors

Hex(21A0B7)

Have a look what the booklet for  
Hex(21A0B7) contains.

|  |    |
|--|----|
| <b>Hex(21A0B7)</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(21A0B7)

# Conversions

## Conversions Part 1

| <b>Format</b> | <b>Color</b>                 |
|---------------|------------------------------|
| Hex           | 21A0B7                       |
| RGB           | 33, 160, 183                 |
| RGB Percent   | 13%, 63%, 72%                |
| CMY           | 0.8706, 0.3725, 0.2824       |
| CMYK          | 0.82, 0.13, 0.00, 0.28       |
| HSL           | 189°, 69%, 42%               |
| HSV           | 189°, 82%, 72%               |
| XYZ           | 21.7452, 28.8838, 49.2288    |
| YIQ           | 124.6490, -83.0750, -19.7710 |

# Conversions

## Conversions Part 2

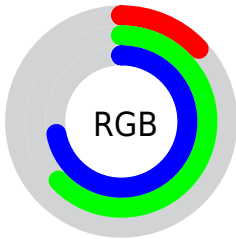
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>R<sub>YB</sub></b>               | 33, 102, 183                   |
| Decimal                             | 2203831                        |
| CIE <sub>Lab</sub>                  | 60.68, -24.71, -21.30          |
| CIE <sub>LCh</sub>                  | 61, 32.620, 220.761            |
| Yxy                                 | 28.8838, 0.2178,<br>0.2892     |
| Android<br>(android.graphics.Color) | 4280393911<br>(0xFF21A0B7)     |
| YUV                                 | 124.6490, 28.7670,<br>-80.3762 |
| Hunter-Lab                          | 53.7437, -21.8285,<br>-16.6886 |

# Details

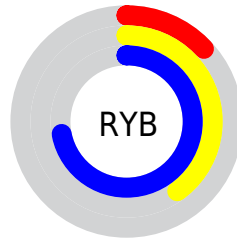
The Hex color **21A0B7** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **B73821**, and the grayscale version is **7C7C7C**.

A 20% lighter version of the original color is **6AD7EF**, and **006C82** is the 20% darker color. If you saturate the color by 10%, you get **0F9DB7**, and if you desaturate by 10%, it is **33A3B7**.

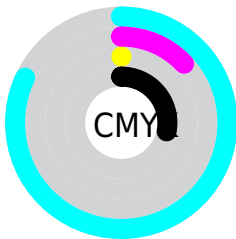
# Distribution



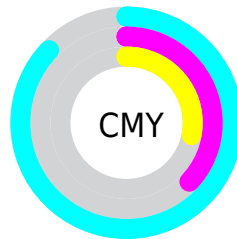
- Red (13%)
- Green (63%)
- Blue (72%)



- Red (13%)
- Yellow (40%)
- Blue (72%)



- Cyan (82%)
- Magenta (13%)
- Yellow (0%)
- Black (28%)



- Cyan (87%)
- Magenta (37%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 21A0B7 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 21A0B7 by changing the saturation by 10% instead.



 21A0B7

 21A0B7

FFFFFF

 00869C

 6AD7EF

 006C82

 88F4FF

 005469

 A6FFFF

 003C51

 C4FFFF

 00263A

 E3FFFF

 000724

 00000D

 000000

 21A0B7

 21A0B7

0F9DB7

33A3B7

009BB7

46A6B7

58A8B7

6AABB7

7DAEB7

8FB1B7

A1B4B7

B3B6B7

C6B9B7

# Harmonies

## Analogous

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



32A29C



21A0B7



4A9AC8

# Triad

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



21A0B7



BF7FA6



9B9459

# Complementary

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



21A0B7



B73821

# 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.



B58A5C



21A0B7



CB7C89

# Square

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



21A0B7



A387BE



C6816E



7C9C66

# Rectangle

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



21A0B7



6A95CC



C6816E



A59158



# Sweetspot

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



21A0B7



B2E4ED



21B737



547278



F7F7F7



787878

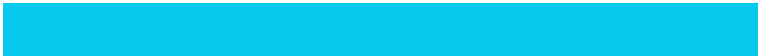


# Same Dimension

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



21A0B7



05CAED



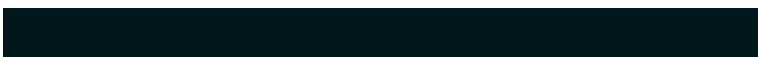
2156B7



535A5C



00849C



00181C



# Inverse Universe

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



B721A0



ED05CA



B78321



5C535A



9C0084



1C0018



# Previews

## White Background



This preview shows how the Hex color 21A0B7 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



This preview shows how the Hex color 21A0B7 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

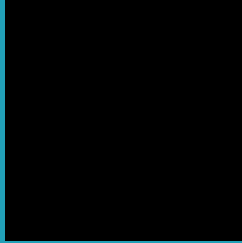
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 21A0B7 Background



This preview shows how black text looks on a background with the Hex color 21A0B7.

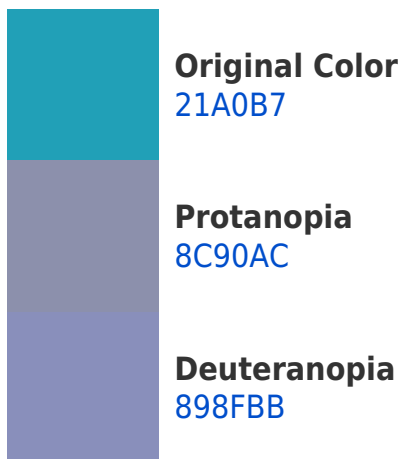


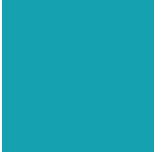
This preview shows how white text looks on a background with the Hex color 21A0B7.

# 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](#).

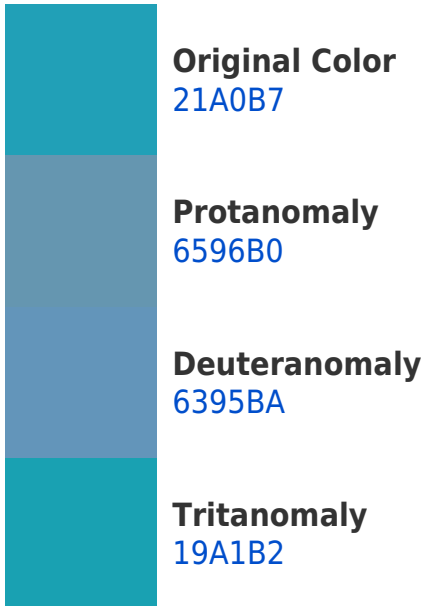
## Dichromacy





**Tritanopia**  
15A1AF

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 21A0B7 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 #21A0B7 looks like.

```
.text, #text, p{  
    color:#21A0B7  
}
```

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 #21A0B7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #21A0B7
}
```

## Border

The CSS property to change the border of an element to Hex 21A0B7 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
#21A0B7 }
```

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

```
.border{ border-color:#21A0B7 }
```

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

Here you see how a box with a 4 pixel #21A0B7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #21A0B7; -webkit-box-shadow:4px 4px  
4px 4px #21A0B7; box-shadow:4px 4px 4px  
4px #21A0B7 }
```

# Background

The CSS property to change the background color of an element to Hex 21A0B7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#21A0B7 }
```

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

```
.background{ background-color:#21A0B7 }
```

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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