

Converting Colors

Hex(21BD99)

Have a look what the booklet for
Hex(21BD99) contains.

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Color

Hex(21BD99)

Conversions

Conversions Part 1

Format	Color
Hex	21BD99
RGB	33, 189, 153
RGB Percent	13%, 74%, 60%
CMY	0.8706, 0.2588, 0.4000
CMYK	0.83, 0.00, 0.19, 0.26
HSL	166°, 70%, 44%
HSV	166°, 83%, 74%
XYZ	24.5746, 39.0184, 36.3731
YIQ	138.2520, -81.4200, -44.2680

Conversions

Conversions Part 2

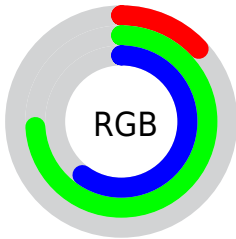
Format	Color
RYB	33, 121, 189
Decimal	2211225
CIELab	68.76, -46.83, 7.37
CIELCh	69, 47.410, 171.053
Yxy	39.0184, 0.2458, 0.3903
Android (android.graphics.Color)	4280401305 (0xFF21BD99)
YUV	138.2520, 7.2708, -92.3060
Hunter-Lab	62.4647, -39.0887, 9.2009

Details

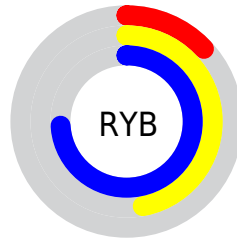
The Hex color **21BD99** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **BD2145**, and the grayscale version is **8A8A8A**.

A 20% lighter version of the original color is **6BF6CF**, and **008766** is the 20% darker color. If you saturate the color by 10%, you get **0EBD95**, and if you desaturate by 10%, it is **34BD9D**.

Distribution



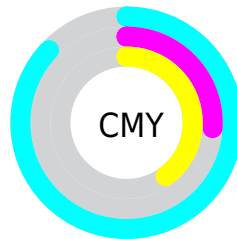
- Red (13%)
- Green (74%)
- Blue (60%)



- Red (13%)
- Yellow (47%)
- Blue (74%)



- Cyan (83%)
- Magenta (0%)
- Yellow (19%)
- Black (26%)



- Cyan (87%)
- Magenta (26%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Hex color 21BD99 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 21BD99 by changing the saturation by 10% instead.

 21BD99

 21BD99

FFFFFF

 00A17F

 6BF6CF

 008766

 8AFFEC

 006C4E

 A9FFFF

 005337

 C7FFFF

 003B22

 E5FFFF

 00250C

 000000

 21BD99

 21BD99

 0EBD95

 34BD9D

00BD91

47BDA2

5ABDA6

6DBDAA

80BDAF

92BDB3

A5BDB8

B8BDBC

CBBDC0

Harmonies

Analogous

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



72B870



21BD99



00BEC5

Triad

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



21BD99



97A2F8



EB9167

Complementary

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



21BD99



BD2145

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.



F9868B



21BD99



D191DE

Square

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



21BD99



3AB0FC



F185B6



CDA151

Rectangle

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



21BD99



00BBD9



F185B6



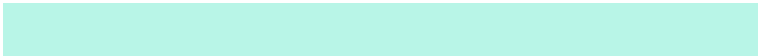
F28D71

Sweetspot

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



21BD99



B8F5E7



45BD21



567A72



FAFAFA



7A7A7A

Same Dimension

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



21BD99



02F5BD



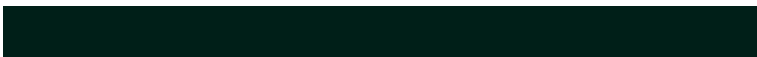
2193BD



555E5C



009E7A



001F18

Inverse Universe

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



BD2145



F5023A



BD4B21



5E5557



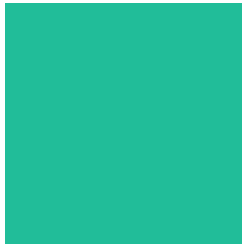
9E0024



1F0007

Previews

White Background



This preview shows how the Hex color 21BD99 looks on a white background.

Color Contrast Check

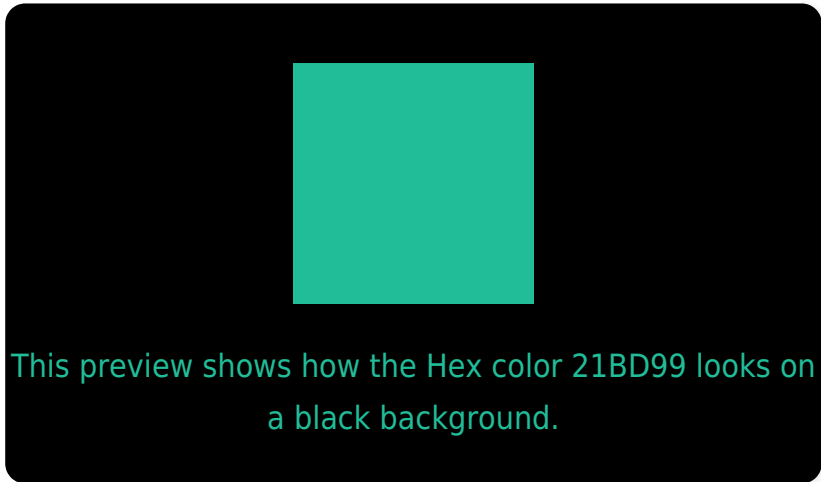
Large Text (above 18pt) WCAG AA × Fail

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

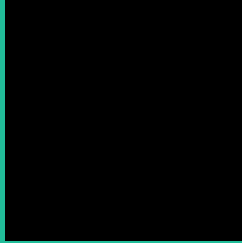
Any Text WCAG AA ✓ Pass

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 21BD99 Background



This preview shows how black text looks on a background with the Hex color 21BD99.

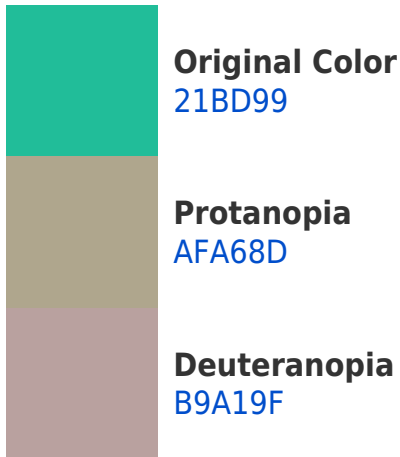


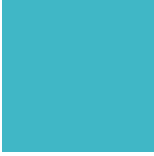
This preview shows how white text looks on a background with the Hex color 21BD99.

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
40B7C6

Trichromacy



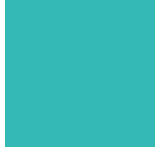
Original Color
21BD99



Protanomaly
7BAE91



Deuteranomaly
82AB9D



Tritanomaly
35B9B6

Monochromacy



Original Color
21BD99



Achromatopsia
8A8A8A



Achromatomaly
649D8F

CSS Examples

Text

The CSS property to change the color of the text to Hex 21BD99 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 #21BD99 looks like.

```
.text, #text, p{  
    color:#21BD99  
}
```

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 #21BD99 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #21BD99
}
```

Border

The CSS property to change the border of an element to Hex 21BD99 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
#21BD99 }
```

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

```
.border{ border-color:#21BD99 }
```

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

Here you see how a box with a 4 pixel #21BD99 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #21BD99; -webkit-box-shadow:4px 4px  
4px 4px #21BD99; box-shadow:4px 4px 4px  
4px #21BD99 }
```

Background

The CSS property to change the background color of an element to Hex 21BD99 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#21BD99 }
```

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

```
.background{ background-color:#21BD99 }
```

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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