

# Converting Colors

Hex(16B299)

Have a look what the booklet for  
Hex(16B299) contains.

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# Color

**Hex(16B299)**

# Conversions

## Conversions Part 1

Format	Color
Hex	16B299
RGB	22, 178, 153
RGB Percent	9%, 70%, 60%
CMY	0.9137, 0.3020, 0.4000
CMYK	0.88, 0.00, 0.14, 0.30
HSL	170°, 78%, 39%
HSV	170°, 88%, 70%
XYZ	22.0010, 34.3113, 35.6002
YIQ	128.5060, -84.9510, -40.8470

# Conversions

## Conversions Part 2

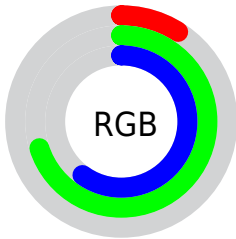
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">22, 107, 178</a>
Decimal	<a href="#">1487513</a>
CIELab	<a href="#">65.21, -43.04, 2.23</a>
CIELCh	<a href="#">65, 43.096, 177.030</a>
Yxy	<a href="#">34.3113, 0.2394, 0.3733</a>
Android (android.graphics.Color)	<a href="#">4279677593</a> (0xFF16B299)
YUV	<a href="#">128.5060, 12.0755, -93.4058</a>
Hunter-Lab	<a href="#">58.5758, -35.4632, 4.9689</a>

# Details

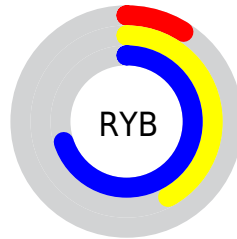
The Hex color **16B299** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **B2162F**, and the grayscale version is **808080**.

A 20% lighter version of the original color is **65EBCF**, and **007C66** is the 20% darker color. If you saturate the color by 10%, you get **04B296**, and if you desaturate by 10%, it is **28B29C**.

# Distribution



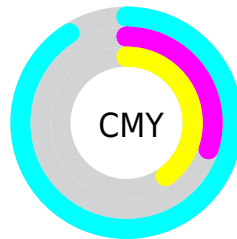
- Red (9%)
- Green (70%)
- Blue (60%)



- Red (9%)
- Yellow (42%)
- Blue (70%)



- Cyan (88%)
- Magenta (0%)
- Yellow (14%)
- Black (30%)



- Cyan (91%)
- Magenta (30%)
- Yellow (40%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 16B299 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 16B299 by changing the saturation by 10% instead.



 16B299

 16B299

FFFFFF

 00977F

 65EBCF

 007C66

 84FFEB

 00634E

 A2FFFF

 004A37

 C0FFFF

 003222

 DEFFFF

 001B0C

FDFFFF

 000000

 16B299

 16B299

 04B296

 28B29C

■ 00B295

■ 3AB29F

■ 4BB2A2

■ 5DB2A4

■ 6FB2A7

■ 81B2AA

■ 93B2AD

■ A4B2B0

■ B6B2B3

# Harmonies

## Analogous

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



64AE73



16B299



00B2C0

# Triad

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



16B299



9C96E3



D78D5F

# Complementary

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



16B299



B2162F

# 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.



E7827D



16B299



CB87C9

# Square

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



16B299



56A3EB



E47FA4



B99B50

# Rectangle

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



16B299



00AFD6



E47FA4



DE8967



# Sweetspot

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



16B299



ACE8DE



30B216



51756F



F5F5F5



757575



# Same Dimension

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



16B299



00E8C3



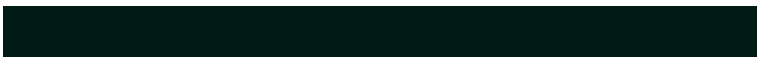
167EB2



505958



009980



001A15



# Inverse Universe

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



B2162F



E80025



B24A16



595052



990019

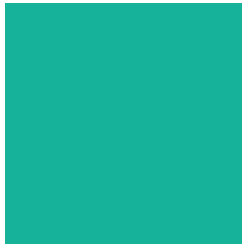


1A0004



# Previews

## White Background



This preview shows how the Hex color 16B299 looks on a white background.

## Color Contrast Check

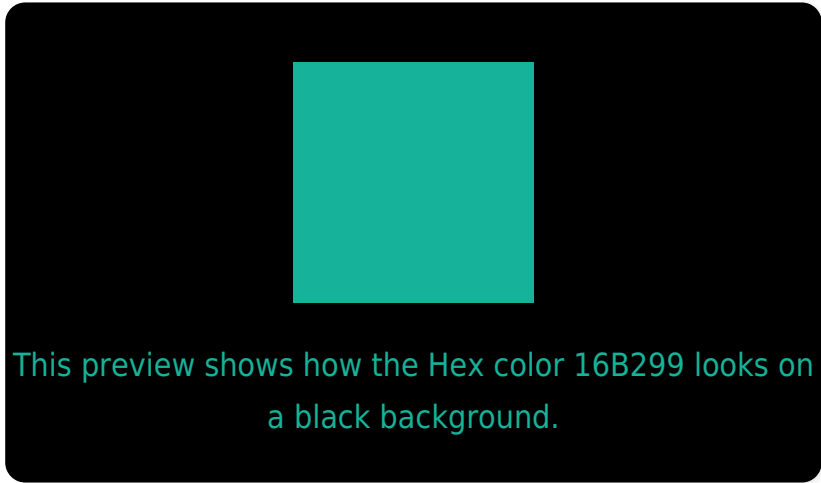
Large Text (above 18pt) WCAG AA × Fail

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

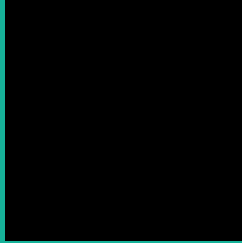
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 16B299 Background



This preview shows how black text looks on a background with the Hex color 16B299.

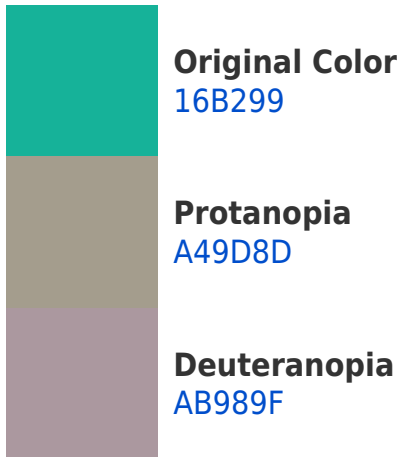


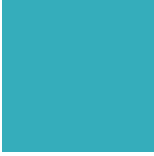
This preview shows how white text looks on a background with the Hex color 16B299.

# 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





# Trichromacy



**Original Color**  
16B299



**Protanomaly**  
70A591



**Deuteranomaly**  
75A19D



**Tritanomaly**  
2AAFAF

# Monochromacy



**Original Color**  
16B299



**Achromatopsia**  
818181



**Achromatomaly**  
5A938A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 16B299 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 #16B299 looks like.

```
.text, #text, p{  
    color:#16B299  
}
```

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 #16B299 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #16B299
}
```

## Border

The CSS property to change the border of an element to Hex 16B299 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
#16B299 }
```

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

```
.border{ border-color:#16B299 }
```

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

Here you see how a box with a 4 pixel #16B299 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #16B299; -webkit-box-shadow:4px 4px  
4px 4px #16B299; box-shadow:4px 4px 4px  
4px #16B299 }
```

# Background

The CSS property to change the background color of an element to Hex 16B299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#16B299 }
```

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

```
.background{ background-color:#16B299 }
```

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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