

# Converting Colors

Hex(14BDB8)

Have a look what the booklet for  
Hex(14BDB8) contains.

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# Color

**Hex(14BDB8)**

# Conversions

## Conversions Part 1

Format	Color
Hex	14BDB8
RGB	20, 189, 184
RGB Percent	8%, 74%, 72%
CMY	0.9216, 0.2588, 0.2784
CMYK	0.89, 0.00, 0.03, 0.26
HSL	178°, 81%, 41%
HSV	178°, 89%, 74%
XYZ	27.1378, 40.0046, 51.6387
YIQ	137.8990, -99.1190, -37.3830

# Conversions

## Conversions Part 2

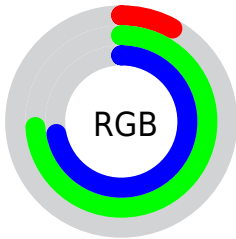
Format	Color
<a href="#">RYB</a>	<a href="#">20, 106, 189</a>
Decimal	<a href="#">1359288</a>
CIELab	<a href="#">69.47, -39.18, -8.60</a>
CIELCh	<a href="#">69, 40.108, 192.383</a>
Yxy	<a href="#">40.0046, 0.2285, 0.3368</a>
Android (android.graphics.Color)	<a href="#">4279549368 (0xFF14BDB8)</a>
YUV	<a href="#">137.8990, 22.7278, -103.3974</a>
Hunter-Lab	<a href="#">63.2492, -34.0986, -4.1319</a>

# Details

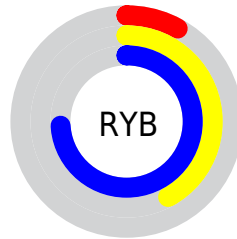
The Hex color **14BDB8** is a dark color, and the websafe version is hex **00CCCC**. A complement of this color would be **BD1419**, and the grayscale version is **8A8A8A**.

A 20% lighter version of the original color is **69F6F0**, and **008783** is the 20% darker color. If you saturate the color by 10%, you get **01BDB7**, and if you desaturate by 10%, it is **27BDB9**.

# Distribution



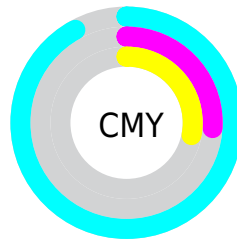
- Red (8%)
- Green (74%)
- Blue (72%)



- Red (8%)
- Yellow (42%)
- Blue (74%)



- Cyan (89%)
- Magenta (0%)
- Yellow (3%)
- Black (26%)



- Cyan (92%)
- Magenta (26%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 14BDB8 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 14BDB8 by changing the saturation by 10% instead.



 14BDB8

 14BDB8

FFFFFF

 00A29D

 69F6F0

 008783

 89FFFF

 006D6A

 A8FFFF

 005452

 C7FFFF

 003C3B

 E6FFFF

 002725

 000111

 000000

 14BDB8

 14BDB8

■ 01BDB7

■ 27BDB9

■ 00BDB7

■ 3ABDB9

■ 4DBDBA

■ 60BDBA

■ 72BDBB

■ 85BDBB

■ 98BDBC

■ ABBDBC

■ BEBDBD

# Harmonies

## Analogous

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



5BBB92



14BDB8



00BADA

# Triad

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



14BDB8



C19BE0



D3A064

# Complementary

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



14BDB8



BD1419

# 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.



EA947A



14BDB8



E390C1

# Square

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



14BDB8



8DA8F0



F08D9C



B2AC61

# Rectangle

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



14BDB8



2CB6E9



F08D9C



DC9C6A

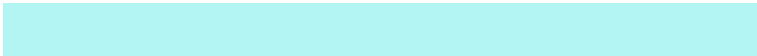


# Sweetspot

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



14BDB8



B3F5F3



1ABD14



537A79



FAFAFA



7A7A7A



# Same Dimension

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



14BDB8



00F5EE



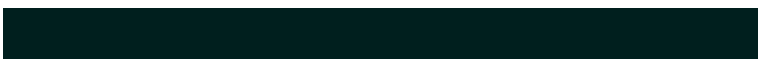
146EBD



555E5E



009E99



001F1E



# Inverse Universe

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



BD1419



F50007



BD6314



5E5555



9E0005

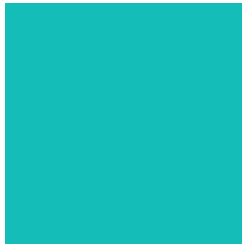


1F0001



# Previews

## White Background



This preview shows how the Hex color 14BDB8 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 14BDB8 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

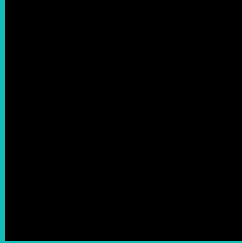
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

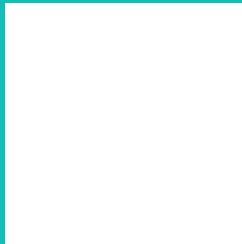
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 14BDB8 Background



This preview shows how black text looks on a background with the Hex color 14BDB8.

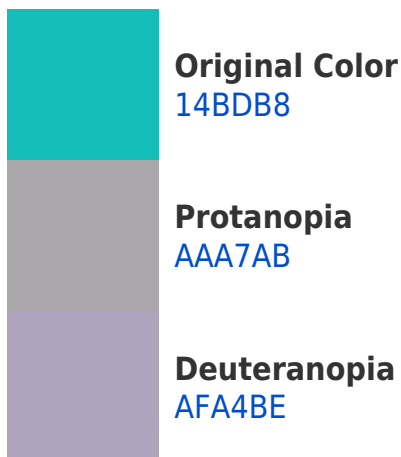


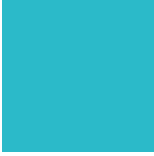
This preview shows how white text looks on a background with the Hex color 14BDB8.

# 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



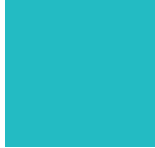
**Original Color**  
14BDB8



**Protanomaly**  
73AFB0



**Deuteranomaly**  
77ADBC



**Tritanomaly**  
23BBC3

# Monochromacy



**Original Color**  
14BDB8



**Achromatopsia**  
8A8A8A



**Achromatomaly**  
5F9D9B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 14BDB8 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 #14BDB8 looks like.

```
.text, #text, p{  
    color:#14BDB8  
}
```

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 #14BDB8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #14BDB8
}
```

## Border

The CSS property to change the border of an element to Hex 14BDB8 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
#14BDB8 }
```

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

```
.border{ border-color:#14BDB8 }
```

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

Here you see how a box with a 4 pixel #14BDB8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #14BDB8; -webkit-box-shadow:4px 4px  
4px 4px #14BDB8; box-shadow:4px 4px 4px  
4px #14BDB8 }
```

# Background

The CSS property to change the background color of an element to Hex 14BDB8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#14BDB8 }
```

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

```
.background{ background-color:#14BDB8 }
```

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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