

# Converting Colors

Hex(13B973)

Have a look what the booklet for  
Hex(13B973) contains.

|  |    |
|--|----|
| <b>Hex(13B973)</b> .....                       | 3  |
| <i><b>Conversions</b></i> .....                | 4  |
| <i><b>Details</b></i> .....                    | 6  |
| <i><b>Harmonies</b></i> .....                  | 11 |
| <i><b>Previews</b></i> .....                   | 23 |
| <i><b>Color Blindness Simulation</b></i> ..... | 26 |
| <i><b>CSS Examples</b></i> .....               | 29 |

# Color

Hex(13B973)

# Conversions

## Conversions Part 1

| Format      | Color                        |
|-------------|------------------------------|
| Hex         | 13B973                       |
| RGB         | 19, 185, 115                 |
| RGB Percent | 7%, 73%, 45%                 |
| CMY         | 0.9255, 0.2745, 0.5490       |
| CMYK        | 0.90, 0.00, 0.38, 0.27       |
| HSL         | 155°, 81%, 40%               |
| HSV         | 155°, 90%, 73%               |
| XYZ         | 20.7120, 36.0742, 22.0910    |
| YIQ         | 127.3860, -76.4660, -56.9620 |

# Conversions

## Conversions Part 2

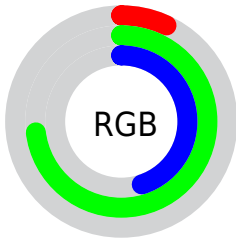
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>RYB</b>                          | 19, 124, 185                   |
| Decimal                             | 1292659                        |
| CIELab                              | 66.58, -55.05, 24.85           |
| CIELCh                              | 67, 60.400, 155.703            |
| Yxy                                 | 36.0742, 0.2626,<br>0.4573     |
| Android<br>(android.graphics.Color) | 4279482739<br>(0xFF13B973)     |
| YUV                                 | 127.3860, -6.1063,<br>-95.0545 |
| Hunter-Lab                          | 60.0618, -43.5532,<br>20.2361  |

# Details

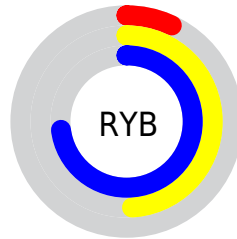
The Hex color **13B973** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **B91359**, and the grayscale version is **808080**.

A 20% lighter version of the original color is **64F2A7**, and **008242** is the 20% darker color. If you saturate the color by 10%, you get **00B96B**, and if you desaturate by 10%, it is **25B97B**.

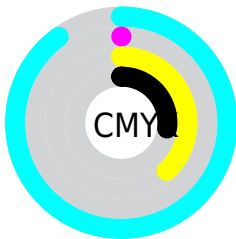
# Distribution



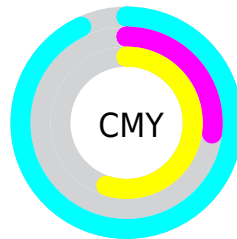
- Red (7%)
- Green (73%)
- Blue (45%)



- Red (7%)
- Yellow (49%)
- Blue (73%)



- Cyan (90%)
- Magenta (0%)
- Yellow (38%)
- Black (27%)



- Cyan (93%)
- Magenta (27%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 13B973 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 13B973 by changing the saturation by 10% instead.



 13B973

 13B973

FFFFFF

 009D5A

 64F2A7

 008242

 83FFC3

 00682B

 A1FFDF

 004F15

 C0FFFC

 003700

 DEFFF

 001F00

 FCFFF

 000000

 13B973

 13B973

 00B96B

 25B97B

 38B983

 4AB98A

 5DB992

 6FB99A

 82B9A2

 94B9AA

 A7B9B1

 BAB9B9

# Harmonies

## Analogous

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



7CB144



13B973



00BCAB

# Triad

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



13B973



3FA5FF



FF7A65

# Complementary

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



13B973



B91359

# 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.



FF709A



13B973



B28FFB

# Square

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



13B973



00B3FF



EC79D0



E28F3C

# Rectangle

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



13B973



00BCCF



EC79D0



FF7576



# Sweetspot

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



13B973



AFF0D4



5BB913



517868



F7F7F7



787878



# Same Dimension

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



13B973



00F08B



13AEB9



535C58



009C5A



001C10



# Inverse Universe

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



B91359



F00065



B91E13



5C5356



9C0042



1C000C



# Previews

## White Background



This preview shows how the Hex color 13B973 looks on a white background.

## Color Contrast Check

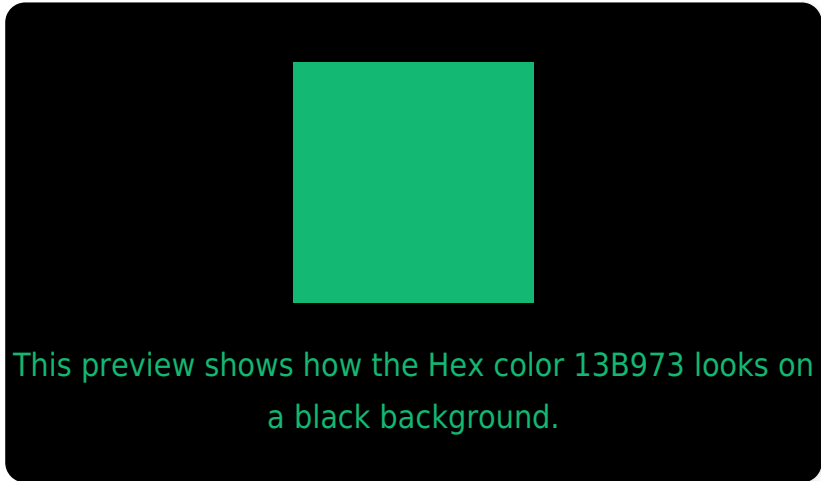
Large Text (above 18pt) WCAG AA × Fail

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

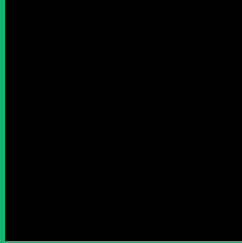
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 13B973 Background



This preview shows how black text looks on a background with the Hex color 13B973.

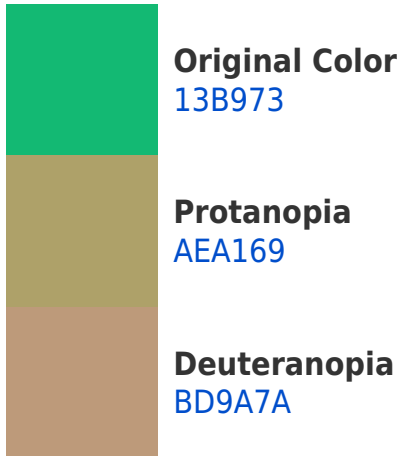


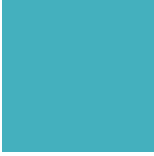
This preview shows how white text looks on a background with the Hex color 13B973.

# 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**  
44BOBE

# Trichromacy



**Original Color**  
13B973



**Protanomaly**  
76AA6D



**Deuteranomaly**  
7FA577



**Tritanomaly**  
32B3A3

# Monochromacy



**Original Color**  
13B973



**Achromatopsia**  
7F7F7F



**Achromatomaly**  
58947B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 13B973 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 #13B973 looks like.

```
.text, #text, p{  
    color:#13B973  
}
```

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 #13B973 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #13B973
}
```

## Border

The CSS property to change the border of an element to Hex 13B973 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
#13B973 }
```

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

```
.border{ border-color:#13B973 }
```

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

Here you see how a box with a 4 pixel #13B973 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #13B973; -webkit-box-shadow:4px 4px  
4px 4px #13B973; box-shadow:4px 4px 4px  
4px #13B973 }
```

# Background

The CSS property to change the background color of an element to Hex 13B973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#13B973 }
```

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

```
.background{ background-color:#13B973 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor