

# Converting Colors

Hex(13BB90)

Have a look what the booklet for  
Hex(13BB90) contains.

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# Color

**Hex(13BB90)**

# Conversions

## Conversions Part 1

Format	Color
Hex	13BB90
RGB	19, 187, 144
RGB Percent	7%, 73%, 56%
CMY	0.9255, 0.2667, 0.4353
CMYK	0.90, 0.00, 0.23, 0.27
HSL	165°, 82%, 40%
HSV	165°, 90%, 73%
XYZ	23.0729, 37.6927, 32.4449
YIQ	131.8660, -86.3250, -48.9890

# Conversions

## Conversions Part 2

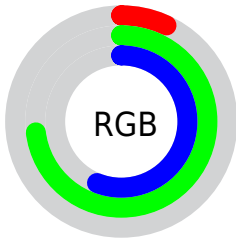
Format	Color
<a href="#">RYB</a>	<a href="#">19, 115, 187</a>
Decimal	<a href="#">1293200</a>
CIELab	<a href="#">67.79, -49.27, 10.89</a>
CIELCh	<a href="#">68, 50.461, 167.541</a>
Yxy	<a href="#">37.6927, 0.2475, 0.4044</a>
Android (android.graphics.Color)	<a href="#">4279483280 (0xFF13BB90)</a>
YUV	<a href="#">131.8660, 5.9821, -98.9835</a>
Hunter-Lab	<a href="#">61.3944, -40.3572, 11.6433</a>

# Details

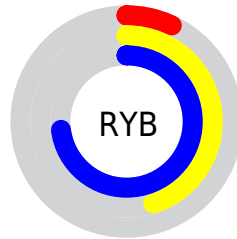
The Hex color **13BB90** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **BB133E**, and the grayscale version is **848484**.

A 20% lighter version of the original color is **65F4C6**, and **00855E** is the 20% darker color. If you saturate the color by 10%, you get **00BB8B**, and if you desaturate by 10%, it is **26BB95**.

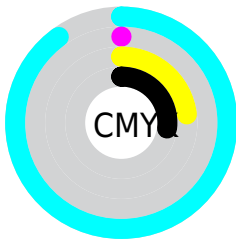
# Distribution



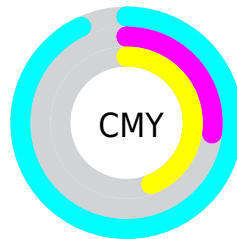
- Red (7%)
- Green (73%)
- Blue (56%)



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



- Cyan (90%)
- Magenta (0%)
- Yellow (23%)
- Black (27%)



- Cyan (93%)
- Magenta (27%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 13BB90 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 13BB90 by changing the saturation by 10% instead.



 13BB90

 13BB90

FFFFFF

 009F76

 65F4C6

 00855E

 85FFE2

 006A46

 A3FFFF

 005130

 C1FFFF

 00391A

 E0FFFF

 002200

FEFFFF

 000000

 13BB90

 13BB90

 00BB8B

 26BB95

 38BB9A

 4BBB9E

 5EBBA3

 70BBA8

 83BBAD

 96BBB2

 A9BBB6

 BBBB BB

# Harmonies

## Analogous

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



72B565



13BB90



00BCBF

# Triad

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



13BB90



89A1FC



EE8B64

# Complementary

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



13BB90



BB133E

# 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.



FB808C



13BB90



CA8FE3

# Square

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



13BB90



00B0FE



F081BA



D09C4A

# Rectangle

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



13BB90



00BADB



F081BA



F58670



# Sweetspot

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



13BB90



B1F2E2



40BB13



537A70



FAFAFA



7A7A7A



# Same Dimension

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



13BB90



00F2B4



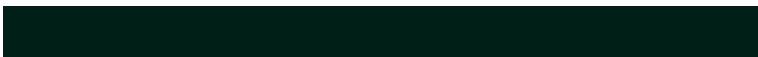
1394BB



555E5C



009E76



001F17



# Inverse Universe

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



BB133E



F2003E



BB3A13



5E5557



9E0028

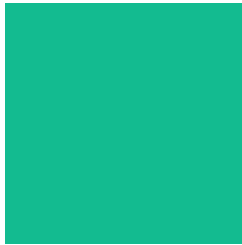


1F0008



# Previews

## White Background



This preview shows how the Hex color 13BB90 looks on a white background.

## Color Contrast Check

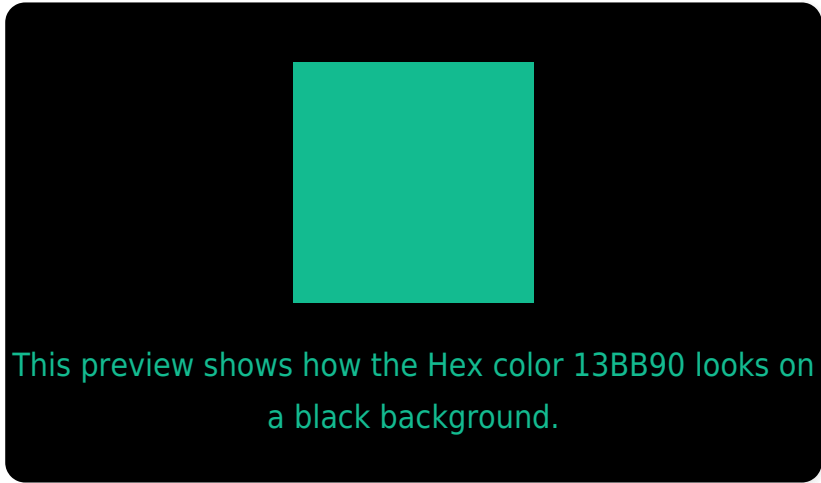
Large Text (above 18pt) WCAG AA × Fail

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

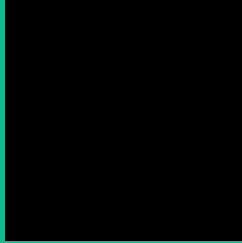
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 13BB90 Background



This preview shows how black text looks on a background with the Hex color 13BB90.

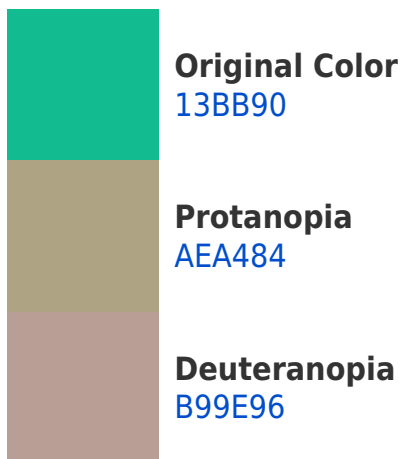


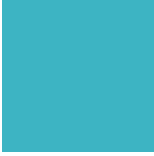
This preview shows how white text looks on a background with the Hex color 13BB90.

# 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](#).

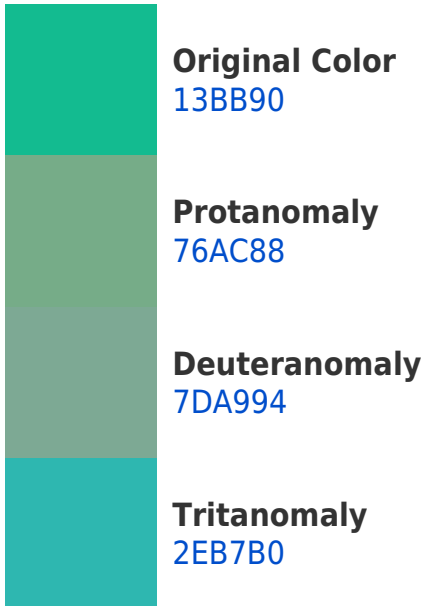
## Dichromacy





**Tritanopia**  
3DB4C3

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 13BB90 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 #13BB90 looks like.

```
.text, #text, p{  
    color:#13BB90  
}
```

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 #13BB90 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #13BB90
}
```

## Border

The CSS property to change the border of an element to Hex 13BB90 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
#13BB90 }
```

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

```
.border{ border-color:#13BB90 }
```

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

Here you see how a box with a 4 pixel #13BB90 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #13BB90; -webkit-box-shadow:4px 4px  
4px 4px #13BB90; box-shadow:4px 4px 4px  
4px #13BB90 }
```

# Background

The CSS property to change the background color of an element to Hex 13BB90 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#13BB90 }
```

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

```
.background{ background-color:#13BB90 }
```

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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