

Converting Colors

Hex(12BA97)

Have a look what the booklet for
Hex(12BA97) contains.

Hex(12BA97)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(12BA97)

Conversions

Conversions Part 1

Format	Color
Hex	12BA97
RGB	18, 186, 151
RGB Percent	7%, 73%, 59%
CMY	0.9294, 0.2706, 0.4078
CMYK	0.90, 0.00, 0.19, 0.27
HSL	168°, 82%, 40%
HSV	168°, 90%, 73%
XYZ	23.3943, 37.4808, 35.2797
YIQ	131.7780, -88.8930, -46.5010

Conversions

Conversions Part 2

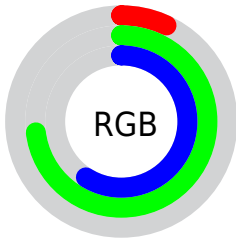
Format	Color
RYB	18, 112, 186
Decimal	1227415
CIELab	67.64, -47.15, 6.83
CIElCh	68, 47.645, 171.755
Yxy	37.4808, 0.2433, 0.3898
Android (android.graphics.Color)	4279417495 (0xFF12BA97)
YUV	131.7780, 9.4764, -99.7833
Hunter-Lab	61.2215, -38.9284, 8.6885

Details

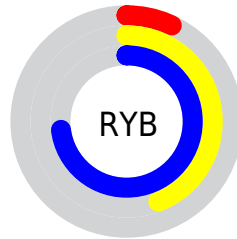
The Hex color **12BA97** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **BA1235**, and the grayscale version is **848484**.

A 20% lighter version of the original color is **65F3CD**, and **008464** is the 20% darker color. If you saturate the color by 10%, you get **00BA93**, and if you desaturate by 10%, it is **25BA9B**.

Distribution



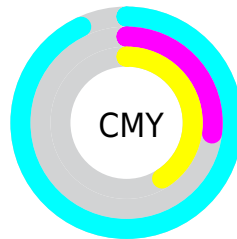
- Red (7%)
- Green (73%)
- Blue (59%)



- Red (7%)
- Yellow (44%)
- Blue (73%)



- Cyan (90%)
- Magenta (0%)
- Yellow (19%)
- Black (27%)



- Cyan (93%)
- Magenta (27%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Hex color 12BA97 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 12BA97 by changing the saturation by 10% instead.

 12BA97

 12BA97

FFFFFF

 009E7D

 65F3CD

 008464

 85FFE9

 006A4C

 A3FFFF

 005036

 C1FFFF

 003820

 E0FFFF

 00220A

 000000

 12BA97

 12BA97

 00BA93

 25BA9B

 37BA9F

 4ABAA3

 5CBAA7

 6FBAAA

 82BAAE

 94BAB2

 A7BAB6

 B9BABA

Harmonies

Analogous

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



6DB56E



12BA97



00BBC3

Triad

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



12BA97



959EF5



E78F63

Complementary

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



12BA97



BA1235

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.



F68387



12BA97



CF8EDA

Square

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



12BA97



37ADF9



EF82B2



C99E4E

Rectangle

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



12BA97



00B8DD



EF82B2



EE8A6E

Sweetspot

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



12BA97



B1F2E5



36BA12



537A72



FAFAFA



7A7A7A

Same Dimension

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



12BA97



00F2C0



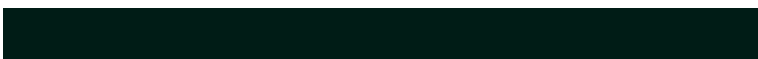
128ABA



535C5A



009C7B



001C16

Inverse Universe

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



BA1235



F20032



BA4212



5C5355



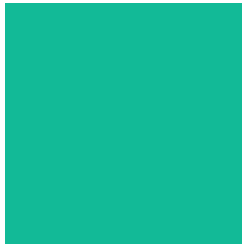
9C0020



1C0006

Previews

White Background



This preview shows how the Hex color 12BA97 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 12BA97 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

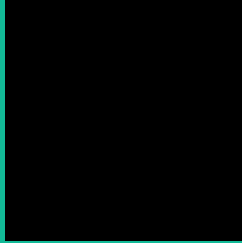
Any Text WCAG AA ✓ Pass

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 12BA97 Background



This preview shows how black text looks on a background with the Hex color 12BA97.

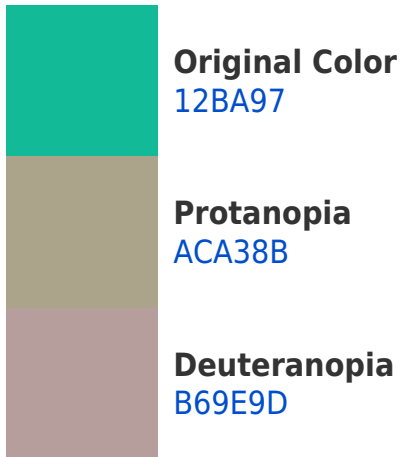


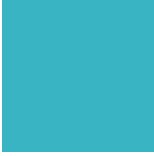
This preview shows how white text looks on a background with the Hex color 12BA97.

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
39B4C3

Trichromacy



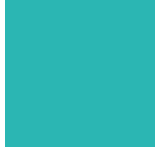
Original Color
12BA97



Protanomaly
74AB8F



Deuteranomaly
7AA89B



Tritanomaly
2BB6B3

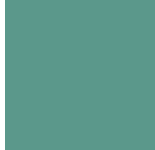
Monochromacy



Original Color
12BA97



Achromatopsia
848484



Achromatomaly
5B988B

CSS Examples

Text

The CSS property to change the color of the text to Hex 12BA97 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 #12BA97 looks like.

```
.text, #text, p{  
    color:#12BA97  
}
```

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 #12BA97 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #12BA97
}
```

Border

The CSS property to change the border of an element to Hex 12BA97 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
#12BA97 }
```

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

```
.border{ border-color:#12BA97 }
```

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

Here you see how a box with a 4 pixel #12BA97 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #12BA97; -webkit-box-shadow:4px 4px  
4px 4px #12BA97; box-shadow:4px 4px 4px  
4px #12BA97 }
```

Background

The CSS property to change the background color of an element to Hex 12BA97 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#12BA97 }
```

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

```
.background{ background-color:#12BA97 }
```

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