

Converting Colors

Hex(12B97D)

Have a look what the booklet for
Hex(12B97D) contains.

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Color

Hex(12B97D)

Conversions

Conversions Part 1

Format	Color
Hex	12B97D
RGB	18, 185, 125
RGB Percent	7%, 73%, 49%
CMY	0.9294, 0.2745, 0.5098
CMYK	0.90, 0.00, 0.32, 0.27
HSL	158°, 82%, 40%
HSV	158°, 90%, 73%
XYZ	21.3001, 36.3072, 25.2874
YIQ	128.2270, -80.2720, -54.0640

Conversions

Conversions Part 2

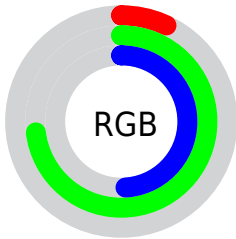
Format	Color
RYB	18, 120, 185
Decimal	1227133
CIELab	66.75, -52.99, 19.74
CIELCh	67, 56.552, 159.566
Yxy	36.3072, 0.2570, 0.4380
Android (android.graphics.Color)	4279417213 (0xFF12B97D)
YUV	128.2270, -1.5909, -96.6691
Hunter-Lab	60.2554, -42.3479, 17.2966

Details

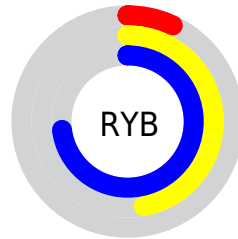
The Hex color **12B97D** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **B9124E**, and the grayscale version is **808080**.

A 20% lighter version of the original color is **64F2B2**, and **00834C** is the 20% darker color. If you saturate the color by 10%, you get **00B977**, and if you desaturate by 10%, it is **25B984**.

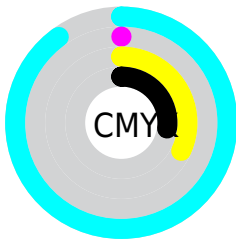
Distribution



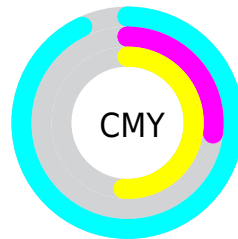
- Red (7%)
- Green (73%)
- Blue (49%)



- Red (7%)
- Yellow (47%)
- Blue (73%)



- Cyan (90%)
- Magenta (0%)
- Yellow (32%)
- Black (27%)



- Cyan (93%)
- Magenta (27%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the Hex color 12B97D 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 12B97D by changing the saturation by 10% instead.

 12B97D

 12B97D

FFFFFF

 009D64

 64F2B2

 00834C

 83FFCD

 006835

 A1FFEA

 004F1F

 C0FFFF

 003708

 DEFFFF

 001F00

 FCFFFF

 000000

 12B97D

 12B97D

 00B977

 25B984

 37B98A

 49B991

 5CB998

 6EB99E

 81B9A5

 93B9AC

 A6B9B2

 B8B9B9

Harmonies

Analogous

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



78B250



12B97D



00BCB2

Triad

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



12B97D



61A2FF



F88064

Complementary

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



12B97D



B9124E

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.



FF7594



12B97D



BB8EF1

Square

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



12B97D



00B1FF



ED7BC7



DB9341

Rectangle

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



12B97D



00BBD3



ED7BC7



FE7B73

Sweetspot

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



12B97D



AFF0D8



4FB912



51786A



F7F7F7



787878

Same Dimension

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



12B97D



00F09A



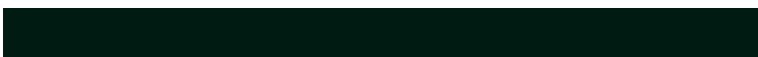
12A3B9



535C59



009C64



001C12

Inverse Universe

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



B9124E



F00056



B92812



5C5356



9C0038



1C000A

Previews

White Background



This preview shows how the Hex color 12B97D looks on a white background.

Color Contrast Check

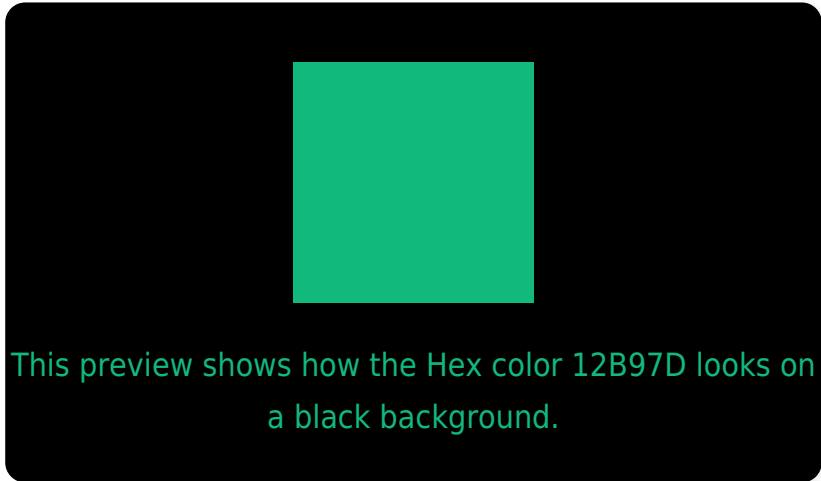
Large Text (above 18pt) WCAG AA × Fail

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

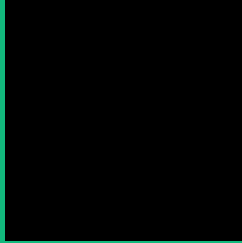
Any Text WCAG AA ✓ Pass

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 12B97D Background



This preview shows how black text looks on a background with the Hex color 12B97D.



This preview shows how white text looks on a background with the Hex color 12B97D.

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



Original Color
12B97D

Protanopia
AEA172

Deuteranopia
BB9B84



Tritanopia
41B1BF

Trichromacy



Original Color
12B97D



Protanomaly
75AA76



Deuteranomaly
7EA681



Tritanomaly
30B4A7

Monochromacy



Original Color
12B97D



Achromatopsia
808080



Achromatomaly
58957F

CSS Examples

Text

The CSS property to change the color of the text to Hex 12B97D 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 #12B97D looks like.

```
.text, #text, p{  
    color:#12B97D  
}
```

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 #12B97D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #12B97D
}
```

Border

The CSS property to change the border of an element to Hex 12B97D 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
#12B97D }
```

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

```
.border{ border-color:#12B97D }
```

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

Here you see how a box with a 4 pixel #12B97D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #12B97D; -webkit-box-shadow:4px 4px  
4px 4px #12B97D; box-shadow:4px 4px 4px  
4px #12B97D }
```

Background

The CSS property to change the background color of an element to Hex 12B97D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#12B97D }
```

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

```
.background{ background-color:#12B97D }
```

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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