

Converting Colors

Hex(12A970)

Have a look what the booklet for
Hex(12A970) contains.

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Color

Hex(12A970)

Conversions

Conversions Part 1

Format	Color
Hex	12A970
RGB	18, 169, 112
RGB Percent	7%, 66%, 44%
CMY	0.9294, 0.3373, 0.5608
CMYK	0.89, 0.00, 0.34, 0.34
HSL	157°, 81%, 37%
HSV	157°, 89%, 66%
XYZ	17.3621, 29.6744, 20.1419
YIQ	117.3530, -71.6990, -49.7390

Conversions

Conversions Part 2

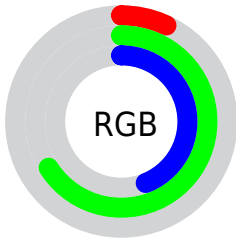
Format	Color
RYB	18, 111, 169
Decimal	1223024
CIELab	61.37, -49.80, 19.44
CIELCh	61, 53.463, 158.674
Yxy	29.6744, 0.2584, 0.4417
Android (android.graphics.Color)	4279413104 (0xFF12A970)
YUV	117.3530, -2.6390, -87.1326
Hunter-Lab	54.4742, -38.4382, 16.2094

Details

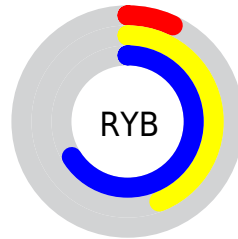
The Hex color **12A970** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **A9124B**, and the grayscale version is **757575**.

A 20% lighter version of the original color is **60E1A4**, and **007340** is the 20% darker color. If you saturate the color by 10%, you get **01A96A**, and if you desaturate by 10%, it is **23A976**.

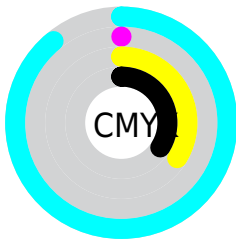
Distribution



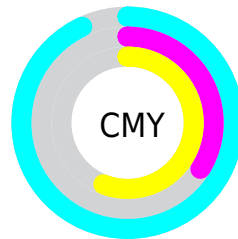
- Red (7%)
- Green (66%)
- Blue (44%)



- Red (7%)
- Yellow (44%)
- Blue (66%)



- Cyan (89%)
- Magenta (0%)
- Yellow (34%)
- Black (34%)



- Cyan (93%)
- Magenta (34%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Hex color 12A970 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 12A970 by changing the saturation by 10% instead.

 12A970

 12A970

FFFFFF

 008E57

 60E1A4

 007340

 7EFEBF

 005A29

 9CFFDB

 004114

 B9FFF8

 002B00

 D7FFFF

 000900

 F5FFFF

 000000

 12A970

 12A970

 01A96A

 23A976

■ 00A969

■ 34A97D

■ 45A983

■ 56A98A

■ 66A990

■ 77A996

■ 88A99D

■ 99A9A3

■ AAA9A9

Harmonies

Analogous

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



6FA246



12A970



00ABA1

Triad

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



12A970



5395F2



E4735B

Complementary

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



12A970



A9124B

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.



EB6A88



12A970



A982DE

Square

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



12A970



00A2EC



D870B8



CA853A

Rectangle

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



12A970



00ABC0



D870B8



E96F6A

Sweetspot

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



12A970



A0DBC5



4CA912



4B6E60



EDEDED



6E6E6E

Same Dimension

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



12A970



00DB89



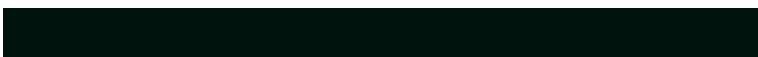
1297A9



4C5451



00945C



00140D

Inverse Universe

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



A9124B



DB0053



A92412



544C4F



940038



140008

Previews

White Background



This preview shows how the Hex color 12A970 looks on a white background.

Color Contrast Check

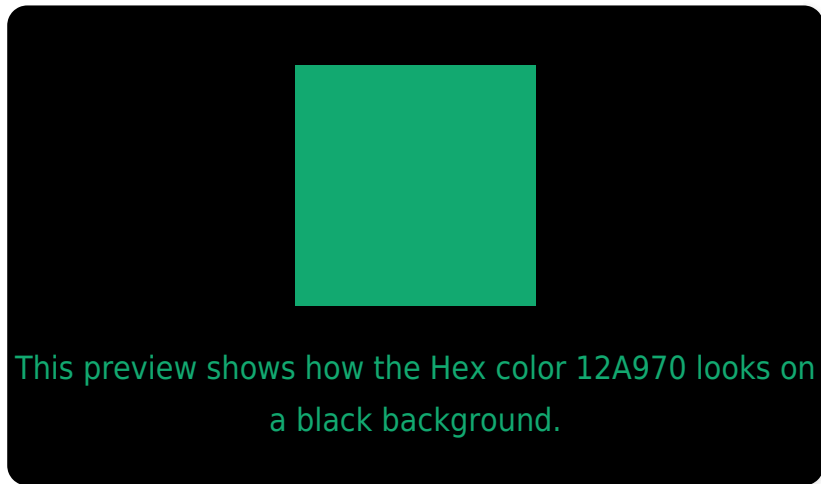
Large Text (above 18pt) WCAG AA ✓ Pass

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

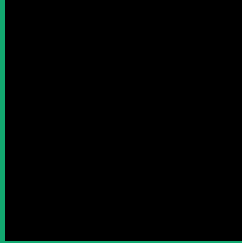
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Hex 12A970 Background



This preview shows how black text looks on a background with the Hex color 12A970.

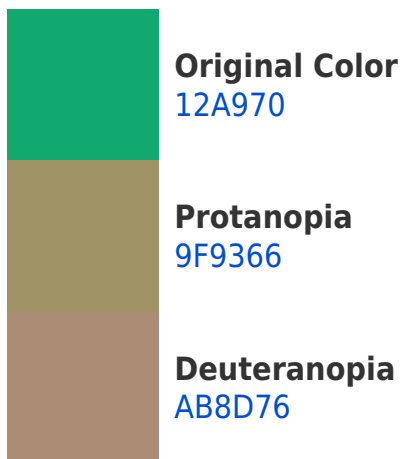


This preview shows how white text looks on a background with the Hex color 12A970.

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



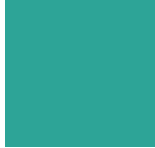
Original Color
12A970



Protanomaly
6C9B6A



Deuteranomaly
739774



Tritanomaly
2DA497

Monochromacy



Original Color
12A970



Achromatopsia
757575



Achromatomaly
518873

CSS Examples

Text

The CSS property to change the color of the text to Hex 12A970 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 #12A970 looks like.

```
.text, #text, p{  
    color:#12A970  
}
```

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 #12A970 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #12A970
}
```

Border

The CSS property to change the border of an element to Hex 12A970 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
#12A970 }
```

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

```
.border{ border-color:#12A970 }
```

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

Here you see how a box with a 4 pixel #12A970 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #12A970; -webkit-box-shadow:4px 4px  
4px 4px #12A970; box-shadow:4px 4px 4px  
4px #12A970 }
```

Background

The CSS property to change the background color of an element to Hex 12A970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#12A970 }
```

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

```
.background{ background-color:#12A970 }
```

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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