

# Converting Colors

Hex(12BB74)

Have a look what the booklet for  
Hex(12BB74) contains.

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# Color

Hex(12BB74)

# Conversions

## Conversions Part 1

Format	Color
Hex	12BB74
RGB	18, 187, 116
RGB Percent	7%, 73%, 45%
CMY	0.9294, 0.2667, 0.5451
CMYK	0.90, 0.00, 0.38, 0.27
HSL	155°, 82%, 40%
HSV	155°, 90%, 73%
XYZ	21.1722, 36.9302, 22.5354
YIQ	128.3750, -77.9330, -57.9090

# Conversions

## Conversions Part 2

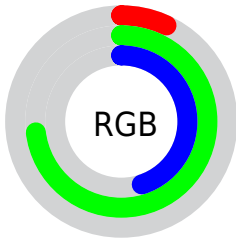
Format	Color
<a href="#">RYB</a>	<a href="#">18, 125, 187</a>
Decimal	<a href="#">1227636</a>
CIELab	<a href="#">67.22, -55.63, 25.19</a>
CIELCh	<a href="#">67, 61.068, 155.641</a>
Yxy	<a href="#">36.9302, 0.2626, 0.4580</a>
Android (android.graphics.Color)	<a href="#">4279417716 (0xFF12BB74)</a>
YUV	<a href="#">128.3750, -6.1009, -96.7989</a>
Hunter-Lab	<a href="#">60.7702, -44.1590, 20.5527</a>

# Details

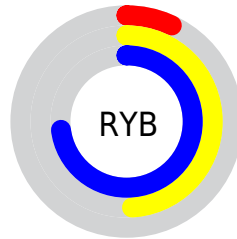
The Hex color **12BB74** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **BB1259**, and the grayscale version is **808080**.

A 20% lighter version of the original color is **64F4A9**, and **008443** is the 20% darker color. If you saturate the color by 10%, you get **00BB6C**, and if you desaturate by 10%, it is **25BB7C**.

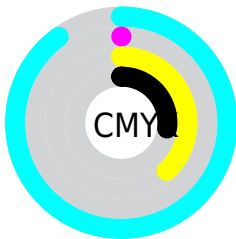
# Distribution



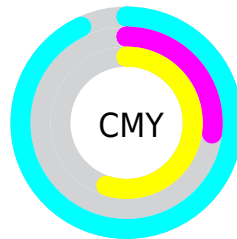
- Red (7%)
- Green (73%)
- Blue (45%)



- 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 12BB74 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 12BB74 by changing the saturation by 10% instead.



 12BB74

 12BB74

FFFFFF

 009F5B

 64F4A9

 008443

 84FFC4

 006A2C

 A2FFE0

 005115

 C0FFFD

 003800

 DEFFF

 002100

FDFFF

 000000

 12BB74

 12BB74

 00BB6C

 25BB7C

 37BB84

 4ABB8C

 5DBB93

 6FBB9B

 82BBA3

 95BBAB

 A8BBB3

 BABBBB

# Harmonies

## Analogous

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



7EB344



12BB74



00BEAD

# Triad

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



12BB74



3FA6FF



FF7B67

# Complementary

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



12BB74



BB1259

# 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.



FF709B



12BB74



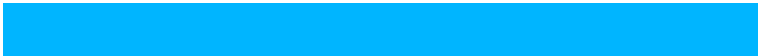
B491FE

# Square

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



12BB74



00B5FF



EF7AD2



E5903D

# Rectangle

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



12BB74



00BED2



EF7AD2



FF7677



# Sweetspot

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



12BB74



B1F2D7



5BBB12



537A6A



FAFAFA



7A7A7A



# Same Dimension

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



12BB74



00F28C



12B0BB



555E5A



009E5C



001F12



# Inverse Universe

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



BB1259



F20066



BB1D12



5E5559



9E0042

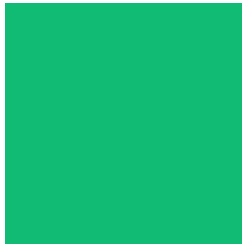


1F000D



# Previews

## White Background



This preview shows how the Hex color 12BB74 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 12BB74 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

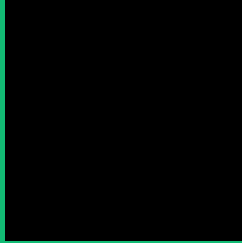
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 12BB74 Background



This preview shows how black text looks on a background with the Hex color 12BB74.

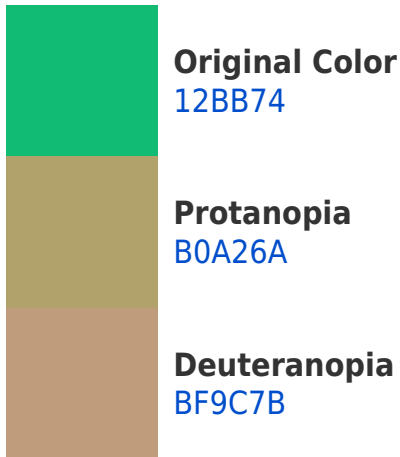


This preview shows how white text looks on a background with the Hex color 12BB74.

# 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**  
45B2C0

# Trichromacy



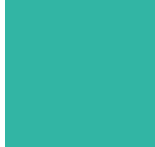
**Original Color**  
12BB74



**Protanomaly**  
77AB6E



**Deuteranomaly**  
80A778



**Tritanomaly**  
32B5A4

# Monochromacy



**Original Color**  
12BB74



**Achromatopsia**  
808080



**Achromatomaly**  
58957C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 12BB74 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 #12BB74 looks like.

```
.text, #text, p{  
    color:#12BB74  
}
```

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 #12BB74 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #12BB74
}
```

## Border

The CSS property to change the border of an element to Hex 12BB74 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
#12BB74 }
```

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

```
.border{ border-color:#12BB74 }
```

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

Here you see how a box with a 4 pixel #12BB74 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #12BB74; -webkit-box-shadow:4px 4px  
4px 4px #12BB74; box-shadow:4px 4px 4px  
4px #12BB74 }
```

# Background

The CSS property to change the background color of an element to Hex 12BB74 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#12BB74 }
```

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

```
.background{ background-color:#12BB74 }
```

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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