

# Converting Colors

Hex(12BA4F)

Have a look what the booklet for  
Hex(12BA4F) contains.

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**Color**

**Hex(12BA4F)**

# Conversions

## Conversions Part 1

Format	Color
Hex	12BA4F
RGB	18, 186, 79
RGB Percent	7%, 73%, 31%
CMY	0.9294, 0.2706, 0.6902
CMYK	0.90, 0.00, 0.58, 0.27
HSL	142°, 82%, 40%
HSV	142°, 90%, 73%
XYZ	19.2196, 35.8109, 13.2964
YIQ	123.5700, -65.7810, -68.8930

# Conversions

## Conversions Part 2

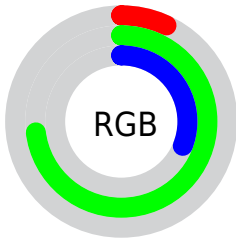
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">18, 141, 186</a>
Decimal	<a href="#">1227343</a>
CIELab	<a href="#">66.38, -61.59, 42.80</a>
CIElCh	<a href="#">66, 75.002, 145.203</a>
Yxy	<a href="#">35.8109, 0.2813, 0.5241</a>
Android (android.graphics.Color)	<a href="#">4279417423 (0xFF12BA4F)</a>
YUV	<a href="#">123.5700, -21.9730, -92.5849</a>
Hunter-Lab	<a href="#">59.8422, -47.3947, 28.7159</a>

# Details

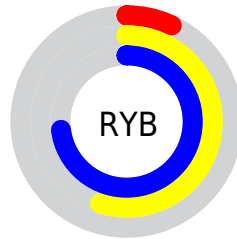
The Hex color **12BA4F** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **BA127D**, and the grayscale version is **7C7C7C**.

A 20% lighter version of the original color is **65F383**, and **00831B** is the 20% darker color. If you saturate the color by 10%, you get **00BA44**, and if you desaturate by 10%, it is **25BA5B**.

# Distribution



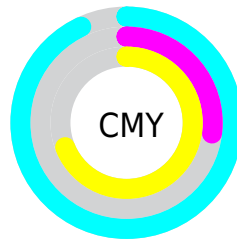
- Red (7%)
- Green (73%)
- Blue (31%)



- Red (7%)
- Yellow (55%)
- Blue (73%)



- Cyan (90%)
- Magenta (0%)
- Yellow (58%)
- Black (27%)



- Cyan (93%)
- Magenta (27%)
- Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 12BA4F 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 12BA4F by changing the saturation by 10% instead.



 12BA4F

 12BA4F

FFFFFF

 009E36

 65F383

 00831B

 84FF9E

 006900

 A3FFB9

 004F00

 C1FFD6

 003700

 DFFFF2

 001E00

FEFFFF

 000000

 12BA4F

 12BA4F

 00BA44

 25BA5B

 37BA67

 4ABA73

 5CBA7E

 6FBA8A

 82BA96

 94BAA2

 A7BAAE

 B9BABA

# Harmonies

## Analogous

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



8AAE00



12BA4F



00BF94

# Triad

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



12BA4F



00ADFF



FF626C

# Complementary

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



12BA4F



BA127D

# 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.



FF5BAF



12BA4F



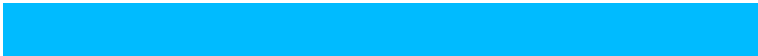
8994FF

# Square

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



12BA4F



00BBFF



E874EF



FB7F2F

# Rectangle

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



12BA4F



00C0C3



E874EF



FF5C82



# Sweetspot

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



12BA4F



B1F2C9



7FBA12



537A61



FAFAFA



7A7A7A



# Same Dimension

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



12BA4F



00F258



12BAA1



535C56



009C38



001C0A



# Inverse Universe

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



BA127D



F2009A



BA122B



5C5358



9C0063



1C0012



# Previews

## White Background



This preview shows how the Hex color 12BA4F 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 12BA4F 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 12BA4F Background



This preview shows how black text looks on a background with the Hex color 12BA4F.

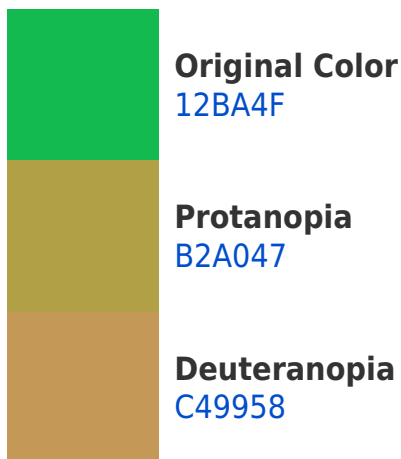


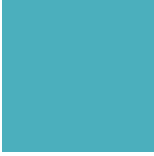
This preview shows how white text looks on a background with the Hex color 12BA4F.

# 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**  
4BAFBD

# Trichromacy



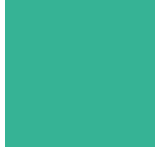
**Original Color**  
12BA4F



**Protanomaly**  
78A94A



**Deuteranomaly**  
83A555



**Tritanomaly**  
36B395

# Monochromacy



**Original Color**  
12BA4F



**Achromatopsia**  
7C7C7C



**Achromatomaly**  
55936C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 12BA4F 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 #12BA4F looks like.

```
.text, #text, p{  
    color:#12BA4F  
}
```

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 #12BA4F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #12BA4F
}
```

## Border

The CSS property to change the border of an element to Hex 12BA4F 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
#12BA4F }
```

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

```
.border{ border-color:#12BA4F }
```

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

Here you see how a box with a 4 pixel #12BA4F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #12BA4F; -webkit-box-shadow:4px 4px  
4px 4px #12BA4F; box-shadow:4px 4px 4px  
4px #12BA4F }
```

# Background

The CSS property to change the background color of an element to Hex 12BA4F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#12BA4F }
```

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

```
.background{ background-color:#12BA4F }
```

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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