

# Converting Colors

Hex(12AA3F)

Have a look what the booklet for  
Hex(12AA3F) contains.

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# Color

Hex(12AA3F)

# Conversions

## Conversions Part 1

Format	Color
Hex	12AA3F
RGB	18, 170, 63
RGB Percent	7%, 67%, 25%
CMY	0.9294, 0.3333, 0.7529
CMYK	0.89, 0.00, 0.63, 0.33
HSL	138°, 81%, 37%
HSV	138°, 89%, 67%
XYZ	15.5214, 29.2369, 9.5279
YIQ	112.3540, -56.2450, -65.5010

# Conversions

## Conversions Part 2

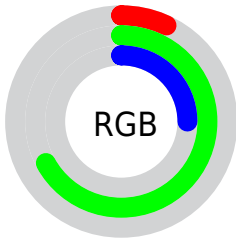
<b>Format</b>	<b>Color</b>
<b>RYB</b>	18, 135, 170
Decimal	1223231
CIELab	60.99, -58.56, 43.95
CIELCh	61, 73.216, 143.111
Yxy	29.2369, 0.2859, 0.5386
Android (android.graphics.Color)	4279413311 (0xFF12AA3F)
YUV	112.3540, -24.3315, -82.7485
Hunter-Lab	54.0712, -43.3853, 27.4024

# Details

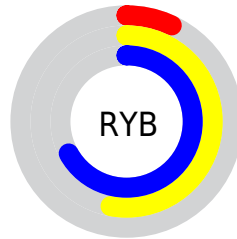
The Hex color **12AA3F** is a dark color, and the websafe version is hex **009933**. A complement of this color would be **AA127D**, and the grayscale version is **717171**.

A 20% lighter version of the original color is **61E373**, and **007405** is the 20% darker color. If you saturate the color by 10%, you get **01AA33**, and if you desaturate by 10%, it is **23AA4B**.

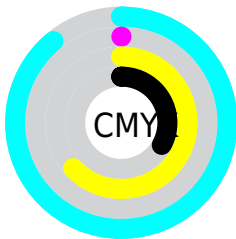
# Distribution



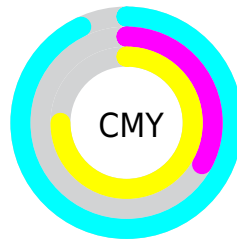
- Red (7%)
- Green (67%)
- Blue (25%)



- Red (7%)
- Yellow (53%)
- Blue (67%)



- Cyan (89%)
- Magenta (0%)
- Yellow (63%)
- Black (33%)



- Cyan (93%)
- Magenta (33%)
- Yellow (75%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 12AA3F 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 12AA3F by changing the saturation by 10% instead.



 12AA3F

 12AA3F

FFFFFF

 008F25

 61E373

 007405

 7FFF8D

 005A00

 9DFFA8

 004100

 BBFFC4

 002A00

 D9FFE1

 000700

 F7FFFE

 000000

 12AA3F

 12AA3F

 01AA33

 23AA4B

 00AA32

 34AA57

 45AA63

 56AA6F

 67AA7B

 78AA87

 89AA93

 9AAA9F

 ABAAAB

# Harmonies

## Analogous

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



819F00



12AA3F



00AF82

# Triad

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



12AA3F



009FFF



FF5365

# Complementary

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



12AA3F



AA127D

# 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.



FE4EA5



12AA3F



7089FF

# Square

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



12AA3F



00ACFA



D269E2



EB6F28

# Rectangle

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



12AA3F



00B1AF



D269E2



FF4D7A



# Sweetspot

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



12AA3F



A2DEB4



7FAA12



4C7057



F0F0F0



707070



# Same Dimension

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



12AA3F



00DE42



12AA89



4C544E



00942C



001406



# Inverse Universe

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



AA127D



DE009C



AA1233



544C52



940068



14000E



# Previews

## White Background



This preview shows how the Hex color 12AA3F looks on a white background.

## Color Contrast Check

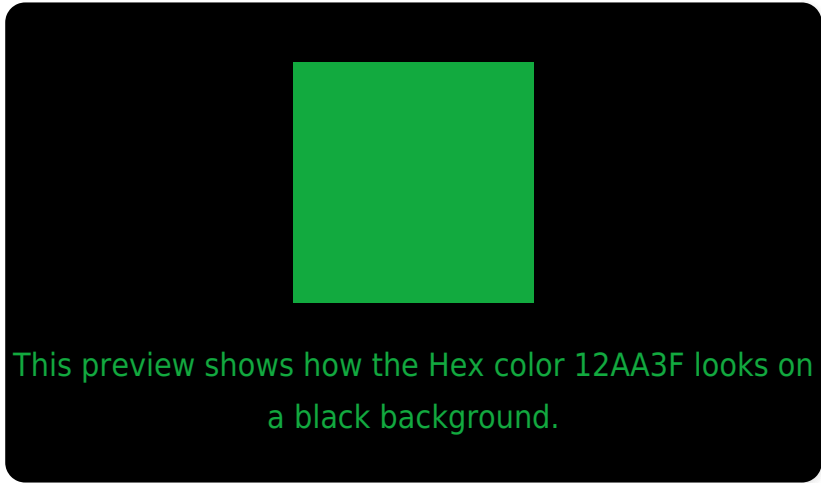
Large Text (above 18pt) WCAG AA ✓ Pass

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 12AA3F Background



This preview shows how black text looks on a background with the Hex color 12AA3F.



This preview shows how white text looks on a background with the Hex color 12AA3F.

# 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**  
12AA3F

**Protanopia**  
A39238

**Deuteranopia**  
B48B48



# Trichromacy



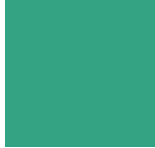
**Original Color**  
12AA3F



**Protanomaly**  
6E9B3B



**Deuteranomaly**  
799645



**Tritanomaly**  
33A384

# Monochromacy



**Original Color**  
12AA3F



**Achromatopsia**  
707070



**Achromatomaly**  
4E855E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 12AA3F 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 #12AA3F looks like.

```
.text, #text, p{  
    color:#12AA3F  
}
```

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 #12AA3F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #12AA3F
}
```

## Border

The CSS property to change the border of an element to Hex 12AA3F 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
#12AA3F }
```

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

```
.border{ border-color:#12AA3F }
```

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

Here you see how a box with a 4 pixel #12AA3F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #12AA3F; -webkit-box-shadow:4px 4px  
4px 4px #12AA3F; box-shadow:4px 4px 4px  
4px #12AA3F }
```

# Background

The CSS property to change the background color of an element to Hex 12AA3F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#12AA3F }
```

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

```
.background{ background-color:#12AA3F }
```

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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