

# Converting Colors

Hex(12B43D)

Have a look what the booklet for  
Hex(12B43D) contains.

<b>Hex(12B43D)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

**Color**

**Hex(12B43D)**

# Conversions

## Conversions Part 1

Format	Color
Hex	12B43D
RGB	18, 180, 61
RGB Percent	7%, 71%, 24%
CMY	0.9294, 0.2941, 0.7608
CMYK	0.90, 0.00, 0.66, 0.29
HSL	136°, 82%, 39%
HSV	136°, 90%, 71%
XYZ	17.4130, 33.1080, 9.8876
YIQ	117.9960, -58.3530, -71.3530

# Conversions

## Conversions Part 2

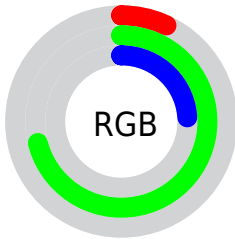
Format	Color
<a href="#">RYB</a>	<a href="#">18, 146, 180</a>
Decimal	<a href="#">1225789</a>
CIELab	<a href="#">64.25, -61.92, 48.46</a>
CIELCh	<a href="#">64, 78.632, 141.951</a>
Yxy	<a href="#">33.1080, 0.2883, 0.5481</a>
Android (android.graphics.Color)	<a href="#">4279415869 (0xFF12B43D)</a>
YUV	<a href="#">117.9960, -28.0990, -87.6965</a>
Hunter-Lab	<a href="#">57.5396, -46.6754, 30.0893</a>

# Details

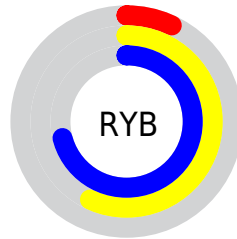
The Hex color **12B43D** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **B41289**, and the grayscale version is **767676**.

A 20% lighter version of the original color is **64ED71**, and **007D00** is the 20% darker color. If you saturate the color by 10%, you get **00B430**, and if you desaturate by 10%, it is **24B44A**.

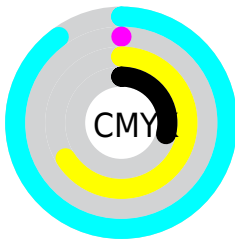
# Distribution



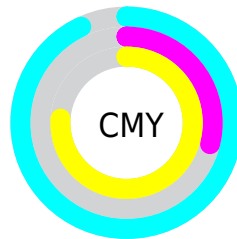
- Red (7%)
- Green (71%)
- Blue (24%)



- Red (7%)
- Yellow (57%)
- Blue (71%)



- Cyan (90%)
- Magenta (0%)
- Yellow (66%)
- Black (29%)



- Cyan (93%)
- Magenta (29%)
- Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 12B43D 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 12B43D by changing the saturation by 10% instead.



 12B43D

 12B43D

FFFFFF

 009822

 64ED71

 007D00

 83FF8C

 006300

 A1FFA8

 004A00

 C0FFC4

 003300

 DEFFE0

 001700

 FCFFFD

 000000

 12B43D

 12B43D

 00B430

 24B44A

 36B457

 48B465

 5AB472

 6CB47F

 7EB48C

 90B49A

 A2B4A7

 B4B4B4

# Harmonies

## Analogous

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



8AA800



12B43D



00BA86

# Triad

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



12B43D



00AAFF



FF536C

# Complementary

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



12B43D



B41289

# 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.



FF50B2



12B43D



6D91FF

# Square

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



12B43D



00B7FF



DD6FF3



FC732A

# Rectangle

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



12B43D



00BBB7



DD6FF3



FF4D83



# Sweetspot

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



12B43D



ABEBBC



8CB412



50755A



F5F5F5



757575



# Same Dimension

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



12B43D



00EB3E



12B48C



505953



009929



001A07



# Inverse Universe

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



B41289



EB00AC



B4123B



595057



990070



1A0013



# Previews

## White Background



This preview shows how the Hex color 12B43D looks on a white background.

## Color Contrast Check

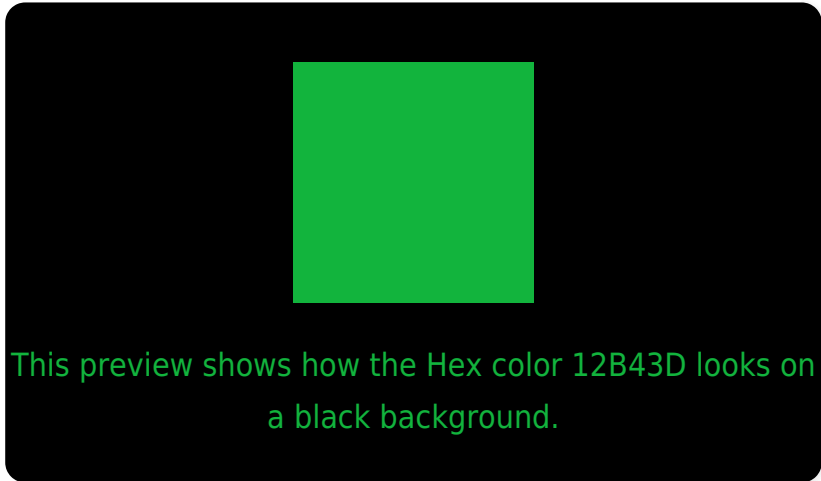
Large Text (above 18pt) WCAG AA × Fail

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 12B43D Background



This preview shows how black text looks on a background with the Hex color 12B43D.

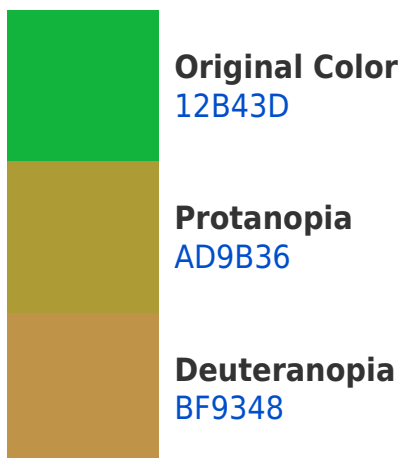


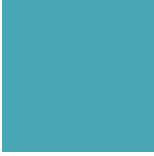
This preview shows how white text looks on a background with the Hex color 12B43D.

# 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**  
4AA8B6

# Trichromacy



**Original Color**  
12B43D



**Protanomaly**  
75A439



**Deuteranomaly**  
809F44



**Tritanomaly**  
36AC8A

# Monochromacy



**Original Color**  
12B43D



**Achromatopsia**  
767676



**Achromatomaly**  
528D61

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 12B43D 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 #12B43D looks like.

```
.text, #text, p{  
    color:#12B43D  
}
```

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 #12B43D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #12B43D
}
```

## Border

The CSS property to change the border of an element to Hex 12B43D 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
#12B43D }
```

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

```
.border{ border-color:#12B43D }
```

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

Here you see how a box with a 4 pixel #12B43D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #12B43D; -webkit-box-shadow:4px 4px  
4px 4px #12B43D; box-shadow:4px 4px 4px  
4px #12B43D }
```

# Background

The CSS property to change the background color of an element to Hex 12B43D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#12B43D }
```

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

```
.background{ background-color:#12B43D }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor