

# Converting Colors

Hex(12B530)

Have a look what the booklet for  
Hex(12B530) contains.

<b>Hex(12B530)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

**Color**

**Hex(12B530)**

# Conversions

## Conversions Part 1

Format	Color
Hex	12B530
RGB	18, 181, 48
RGB Percent	7%, 71%, 19%
CMY	0.9294, 0.2902, 0.8118
CMYK	0.90, 0.00, 0.73, 0.29
HSL	131°, 82%, 39%
HSV	131°, 90%, 71%
XYZ	17.3068, 33.3897, 8.3290
YIQ	117.1010, -54.4550, -75.9190

# Conversions

## Conversions Part 2

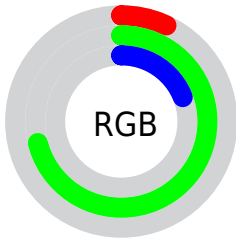
Format	Color
<a href="#">RYB</a>	<a href="#">18, 156, 181</a>
Decimal	<a href="#">1226032</a>
CIELab	<a href="#">64.48, -63.48, 53.85</a>
CIELCh	<a href="#">64, 83.243, 139.691</a>
Yxy	<a href="#">33.3897, 0.2932, 0.5657</a>
Android (android.graphics.Color)	<a href="#">4279416112</a> ( <a href="#">0xFF12B530</a> )
YUV	<a href="#">117.1010, -34.0668, -86.9116</a>
Hunter-Lab	<a href="#">57.7839, -47.6593, 31.9026</a>

# Details

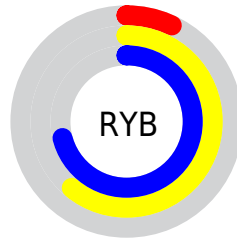
The Hex color **12B530** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **B51297**, and the grayscale version is **757575**.

A 20% lighter version of the original color is **65EE66**, and **007E00** is the 20% darker color. If you saturate the color by 10%, you get **00B521**, and if you desaturate by 10%, it is **24B53F**.

# Distribution



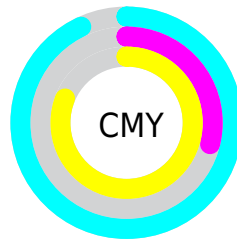
- Red (7%)
- Green (71%)
- Blue (19%)



- Red (7%)
- Yellow (61%)
- Blue (71%)



- Cyan (90%)
- Magenta (0%)
- Yellow (73%)
- Black (29%)



- Cyan (93%)
- Magenta (29%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 12B530 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 12B530 by changing the saturation by 10% instead.



 12B530

 12B530

FFFFFF

 00990F

 65EE66

 007E00

 84FF81

 006400

 A3FF9D

 004B00

 C1FFB9

 003400

 DFFFFD5

 001800

 FFFFFFF2

 000000

 12B530

 12B530

 00B521

 24B53F

 36B54E

 48B55C

 5AB56B

 6DB57A

 7FB589

 91B597

 A3B5A6

 B5B5B5

# Harmonies

## Analogous

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



8EA700



12B530



00BC7F

# Triad

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



12B530



00ADFF



FF496F

# Complementary

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



12B530



B51297

# 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.



FF49B9



12B530



5594FF

# Square

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



12B530



00B9FF



DA6FFE



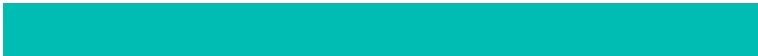
FF6E27

# Rectangle

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



12B530



00BDB3



DA6FFE



FF4388



# Sweetspot

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



12B530



ABEBB7



97B512



507557



F5F5F5



757575



# Same Dimension

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



12B530



00EB2B



12B581



505952



00991C



001A05



# Inverse Universe

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



B51297



EB00BF



B51246



595058



99007D

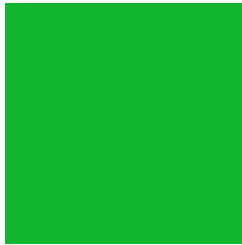


1A0015



# Previews

## White Background



This preview shows how the Hex color 12B530 looks on a white background.

## Color Contrast Check

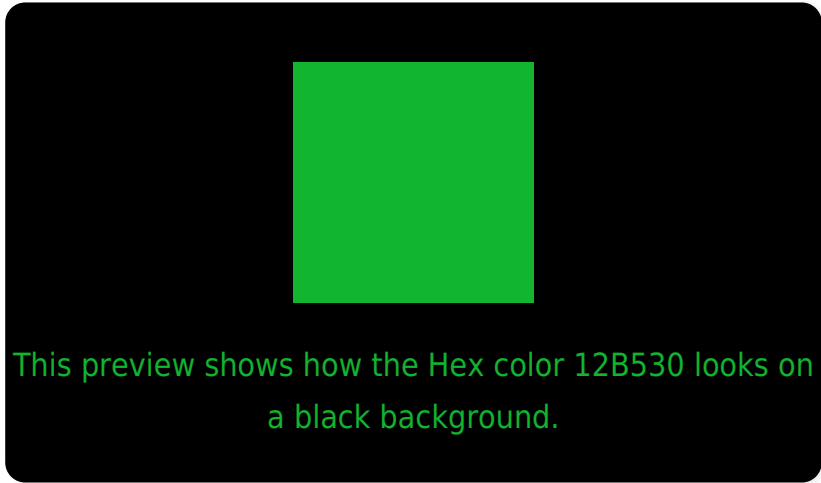
Large Text (above 18pt) WCAG AA × Fail

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 12B530 Background



This preview shows how black text looks on a background with the Hex color 12B530.

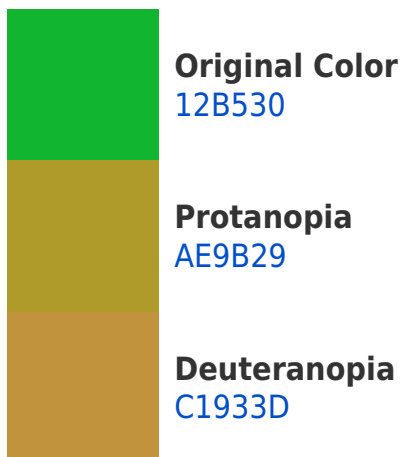


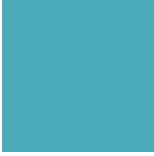
This preview shows how white text looks on a background with the Hex color 12B530.

# 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**  
4CA9B7

# Trichromacy



**Original Color**  
12B530



**Protanomaly**  
75A42C



**Deuteranomaly**  
819F38



**Tritanomaly**  
37AD86

# Monochromacy



**Original Color**  
12B530



**Achromatopsia**  
757575



**Achromatomaly**  
518C5C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 12B530 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 #12B530 looks like.

```
.text, #text, p{  
    color:#12B530  
}
```

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 #12B530 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #12B530
}
```

## Border

The CSS property to change the border of an element to Hex 12B530 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
#12B530 }
```

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

```
.border{ border-color:#12B530 }
```

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

Here you see how a box with a 4 pixel #12B530 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #12B530; -webkit-box-shadow:4px 4px  
4px 4px #12B530; box-shadow:4px 4px 4px  
4px #12B530 }
```

# Background

The CSS property to change the background color of an element to Hex 12B530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#12B530 }
```

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

```
.background{ background-color:#12B530 }
```

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