

# Converting Colors

Hex(12ED66)

Have a look what the booklet for  
Hex(12ED66) contains.

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# **Color**

**Hex(12ED66)**

# Conversions

## Conversions Part 1

Format	Color
Hex	12ED66
RGB	18, 237, 102
RGB Percent	7%, 93%, 40%
CMY	0.9294, 0.0706, 0.6000
CMYK	0.92, 0.00, 0.57, 0.07
HSL	143°, 86%, 50%
HSV	143°, 92%, 93%
XYZ	32.9319, 61.6563, 22.7355
YIQ	156.1290, -87.1890, -88.4130

# Conversions

## Conversions Part 2

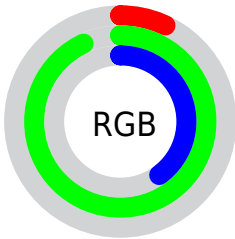
<b>Format</b>	<b>Color</b>
<b>RYB</b>	18, 176, 237
Decimal	1240422
CIELab	82.73, -74.38, 51.57
CIELCh	83, 90.511, 145.265
Yxy	61.6563, 0.2807, 0.5255
Android (android.graphics.Color)	4279430502 (0xFF12ED66)
YUV	156.1290, -26.6856, -121.1391
Hunter-Lab	78.5215, -62.5498, 37.7979

# Details

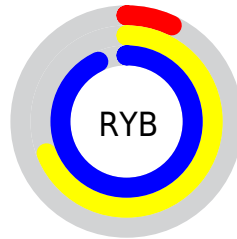
The Hex color **12ED66** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed spring green. A complement of this color would be **ED1299**, and the grayscale version is **9C9C9C**.

A 20% lighter version of the original color is **72FF9C**, and **00B330** is the 20% darker color. If you saturate the color by 10%, you get **00ED5B**, and if you desaturate by 10%, it is **2AED75**.

# Distribution



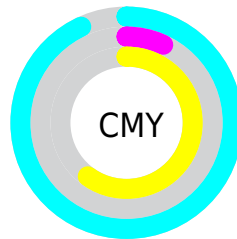
- Red (7%)
- Green (93%)
- Blue (40%)



- Red (7%)
- Yellow (69%)
- Blue (93%)



- Cyan (92%)
- Magenta (0%)
- Yellow (57%)
- Black (7%)



- Cyan (93%)
- Magenta (7%)
- Yellow (60%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 12ED66 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 12ED66 by changing the saturation by 10% instead.



 12ED66

 12ED66

FFFFFF

 00D04B

 72FF9C

 00B330

 94FFB8

 009710

 B5FFD5


 007C00

 D4FFF2

 006100

 F4FFFF

 004800

 002F00

 001100

 000000

 12ED66

 12ED66

 00ED5B

 2AED75

 41ED83

 59ED92

 71EDA0

 88EDAF

 A0EDBE

 B8EDCC

 D0EDDB

 E7EDE9

# Harmonies

## Analogous

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



B0DE00



12ED66



00F4BD

# Triad

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



12ED66



00DCFF



FF7E8B

# Complementary

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



12ED66



ED1299

# 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.



FF75DF



12ED66



AFBDFE

# Square

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



12ED66



00EEFF



FF94FF



FFA23D

# Rectangle

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



12ED66



00F5F8



FF94FF



FF76A6

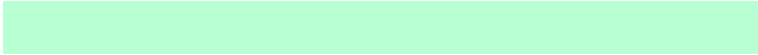


# Sweetspot

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



12ED66



B8FFD3



99ED12



548065



000000



808080



# Same Dimension

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



12ED66



00FF62



12EDD3



6A756E



00B545



003615



# Inverse Universe

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



ED1299



FF009D



ED122C



756A71



B50070

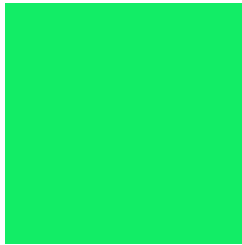


360021



# Previews

## White Background



This preview shows how the Hex color 12ED66 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 12ED66 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

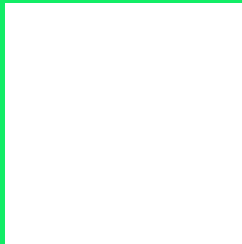
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 12ED66 Background



This preview shows how black text looks on a background with the Hex color 12ED66.

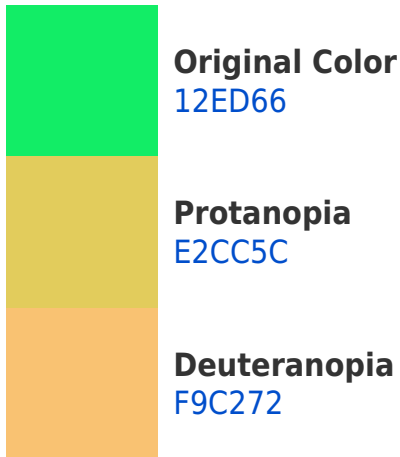


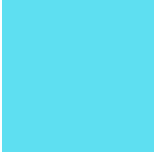
This preview shows how white text looks on a background with the Hex color 12ED66.

# 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**  
5EDFF1

# Trichromacy



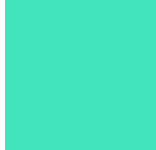
**Original Color**  
12ED66



**Protanomaly**  
96D860



**Deuteranomaly**  
A5D26E

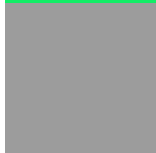


**Tritanomaly**  
42E4BE

# Monochromacy



**Original Color**  
12ED66



**Achromatopsia**  
9C9C9C



**Achromatomaly**  
6AB988

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 12ED66 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 #12ED66 looks like.

```
.text, #text, p{  
    color:#12ED66  
}
```

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 #12ED66 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #12ED66
}
```

## Border

The CSS property to change the border of an element to Hex 12ED66 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
#12ED66 }
```

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

```
.border{ border-color:#12ED66 }
```

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

Here you see how a box with a 4 pixel #12ED66 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #12ED66; -webkit-box-shadow:4px 4px  
4px 4px #12ED66; box-shadow:4px 4px 4px  
4px #12ED66 }
```

# Background

The CSS property to change the background color of an element to Hex 12ED66 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#12ED66 }
```

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

```
.background{ background-color:#12ED66 }
```

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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