

# Converting Colors

Hex(12ED24)

Have a look what the booklet for  
Hex(12ED24) contains.

<b>Hex(12ED24)</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(12ED24)**

# Conversions

## Conversions Part 1

Format	Color
Hex	12ED24
RGB	18, 237, 36
RGB Percent	7%, 93%, 14%
CMY	0.9294, 0.0706, 0.8588
CMYK	0.92, 0.00, 0.85, 0.07
HSL	125°, 86%, 50%
HSV	125°, 92%, 93%
XYZ	30.8521, 60.8243, 11.7833
YIQ	148.6050, -66.0030, -108.9390

# Conversions

## Conversions Part 2

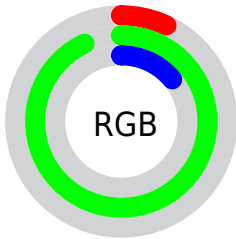
<b>Format</b>	<b>Color</b>
<b>RYB</b>	18, 220, 237
Decimal	1240356
CIELab	82.28, -80.01, 74.15
CIELCh	82, 109.087, 137.179
Yxy	60.8243, 0.2982, 0.5879
Android (android.graphics.Color)	4279430436 (0xFF12ED24)
YUV	148.6050, -55.5143, -114.5406
Hunter-Lab	77.9900, -65.8696, 45.6350

# Details

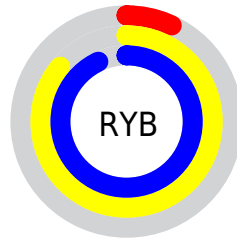
The Hex color **12ED24** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **ED12DB**, and the grayscale version is **959595**.

A 20% lighter version of the original color is **75FF66**, and **00B300** is the 20% darker color. If you saturate the color by 10%, you get **00ED13**, and if you desaturate by 10%, it is **2AED3A**.

# Distribution



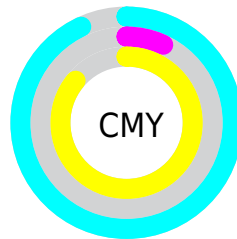
- Red (7%)
- Green (93%)
- Blue (14%)



- Red (7%)
- Yellow (86%)
- Blue (93%)



- Cyan (92%)
- Magenta (0%)
- Yellow (85%)
- Black (7%)



- Cyan (93%)
- Magenta (7%)
- Yellow (86%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 12ED24 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 12ED24 by changing the saturation by 10% instead.



 12ED24

 12ED24


FFFFFF

 00D000

 75FF66

 00B300

 97FF83

 009700

 B8FFA0

 007C00

 D9FFBD

 006100

 F9FFDA

 004700

 FFFFF8

 002E00

 000F00

 000000

 12ED24

 12ED24

 00ED13

 2AED3A

 41ED50

 59ED65

 71ED7B

 88ED91

 A0EDA7

 B8EDBC

 D0EDD2

 E7EDE8

# Harmonies

## Analogous

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



BFDA00



12ED24



00F69C

# Triad

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



12ED24



00E6FF



FF4C97

# Complementary

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



12ED24



ED12DB

# 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.



FF52FD



12ED24



16C5FF

# Square

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



12ED24



00F5FF



FF91FF



FF8531

# Rectangle

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



12ED24



00F9E4



FF91FF



FF42B9

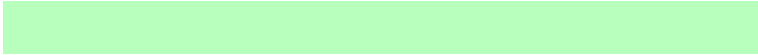


# Sweetspot

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



12ED24



B8FFBD



DEED12



548058



000000



808080



# Same Dimension

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



12ED24



00FF15



12ED8E



6A756B



00B50F



003604



# Inverse Universe

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



ED12DB



FF00EA



ED1271



756A74



B500A6

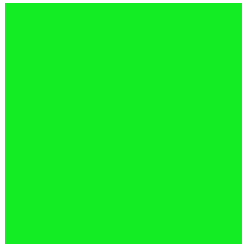


360031



# Previews

## White Background



This preview shows how the Hex color 12ED24 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 12ED24 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 12ED24 Background



This preview shows how black text looks on a background with the Hex color 12ED24.

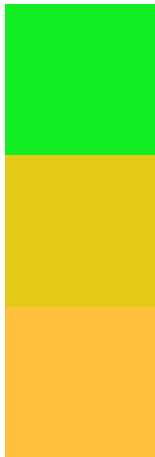


This preview shows how white text looks on a background with the Hex color 12ED24.

# 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](#).

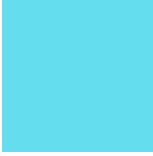
## Dichromacy



**Original Color**  
12ED24

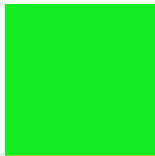
**Protanopia**  
E4CB1A

**Deuteranopia**  
FEC03D



**Tritanopia**  
64DDEE

# Trichromacy



**Original Color**

12ED24



**Protanomaly**

98D71E



**Deuteranomaly**

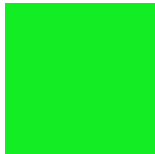
A8D034



**Tritanomaly**

46E3A5

# Monochromacy



**Original Color**

12ED24



**Achromatopsia**

959595



**Achromatomaly**

65B56C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 12ED24 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 #12ED24 looks like.

```
.text, #text, p{  
    color:#12ED24  
}
```

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 #12ED24 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #12ED24
}
```

## Border

The CSS property to change the border of an element to Hex 12ED24 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
#12ED24 }
```

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

```
.border{ border-color:#12ED24 }
```

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

Here you see how a box with a 4 pixel #12ED24 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #12ED24; -webkit-box-shadow:4px 4px  
4px 4px #12ED24; box-shadow:4px 4px 4px  
4px #12ED24 }
```

# Background

The CSS property to change the background color of an element to Hex 12ED24 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#12ED24 }
```

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

```
.background{ background-color:#12ED24 }
```

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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