

# Converting Colors

Hex(45ED55)

Have a look what the booklet for  
Hex(45ED55) contains.

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**Color**

**Hex(45ED55)**

# Conversions

## Conversions Part 1

Format	Color
Hex	45ED55
RGB	69, 237, 85
RGB Percent	27%, 93%, 33%
CMY	0.7294, 0.0706, 0.6667
CMYK	0.71, 0.00, 0.64, 0.07
HSL	126°, 82%, 60%
HSV	126°, 71%, 93%
XYZ	34.3781, 62.4895, 18.8441
YIQ	169.4400, -51.3360, -82.8880

# Conversions

## Conversions Part 2

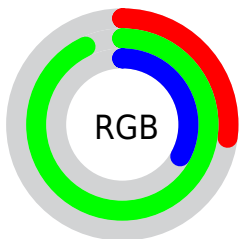
Format	Color
<a href="#">RYB</a>	<a href="#">69, 222, 237</a>
Decimal	<a href="#">4582741</a>
CIELab	<a href="#">83.17, -71.22, 59.53</a>
CIELCh	<a href="#">83, 92.827, 140.109</a>
Yxy	<a href="#">62.4895, 0.2971, 0.5400</a>
Android (android.graphics.Color)	<a href="#">4282772821 (0xFF45ED55)</a>
YUV	<a href="#">169.4400, -41.6289, -88.0859</a>
Hunter-Lab	<a href="#">79.0503, -60.7102, 41.2016</a>

# Details

The Hex color **45ED55** is a dark color, and the websafe version is hex **66FF66**. The color can be described as dark muted green. A complement of this color would be **ED45DD**, and the grayscale version is **AAAAAA**.

A 20% lighter version of the original color is **8BFF8C**, and **00B418** is the 20% darker color. If you saturate the color by 10%, you get **2DED40**, and if you desaturate by 10%, it is **5DED6A**.

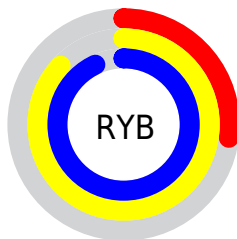
# Distribution



Red (27%)

Green (93%)

Blue (33%)



Red (27%)

Yellow (87%)

Blue (93%)

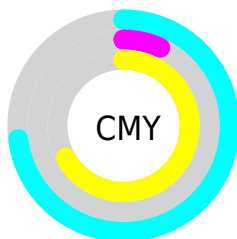


Cyan (71%)

Magenta (0%)

Yellow (64%)

Black (7%)



Cyan (73%)

Magenta (7%)

Yellow (67%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 45ED55 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 45ED55 by changing the saturation by 10% instead.



 45ED55

 45ED55


FFFFFF

 05D039

 8BFF8C

 00B418

 AAFFA8

 009800

 CAFFC5

 007D00

 E9FFE1

 006200

 004800

 003000

 001300

 000000

 45ED55

 45ED55

 2DED40

 5DED6A

 16ED2A

 74ED80

 00ED17

 8CED95

 A4EDAB

 BBEDC0

 D3EDD6

 EBEDEB

 FFEDFF

# Harmonies

## Analogous

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



C0DD00



45ED55



00F5AE

# Triad

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



45ED55



00E2FF



FF7799

# Complementary

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



45ED55



ED45DD

# Split Complementary

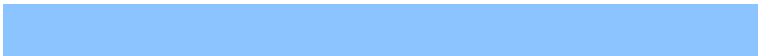
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



FF76F0



45ED55



8CC4FF

# Square

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



45ED55



00F2FF



FF9BFF



FF9B48

# Rectangle

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



45ED55



00F7EB



FF9BFF



FF71B5

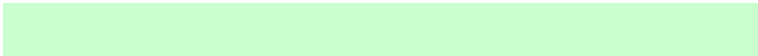


# Sweetspot

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



45ED55



C9FFCF



DFED45



608063



000000



808080



# Same Dimension

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



45ED55



26FF3B



45EDA7



6A756B



00B511



003605



# Inverse Universe

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



ED45DD



FF26EA



ED458B



756A74



B500A4

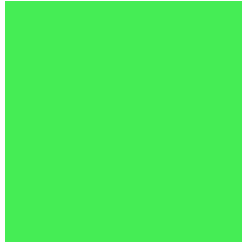


360030



# Previews

## White Background



This preview shows how the Hex color 45ED55 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 45ED55 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 45ED55 Background



This preview shows how black text looks on a background with the Hex color 45ED55.

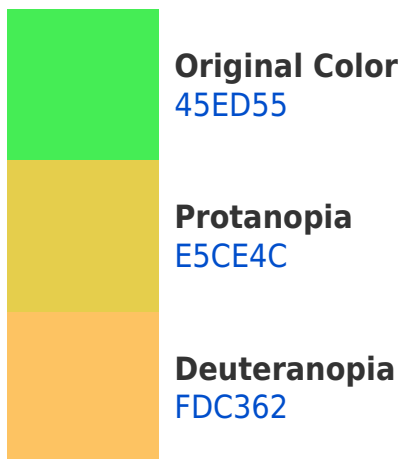


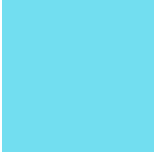
This preview shows how white text looks on a background with the Hex color 45ED55.

# 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](#).

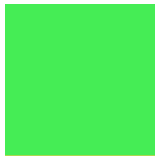
## Dichromacy





**Tritanopia**  
72DEF0

# Trichromacy



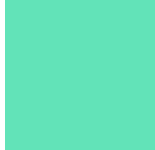
**Original Color**  
45ED55



**Protanomaly**  
ABD94F

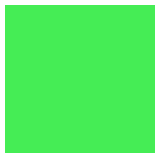


**Deuteranomaly**  
BAD25D



**Tritanomaly**  
62E3B8

# Monochromacy



**Original Color**  
45ED55



**Achromatopsia**  
A9A9A9



**Achromatomaly**  
85C28A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 45ED55 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 #45ED55 looks like.

```
.text, #text, p{  
    color:#45ED55  
}
```

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 #45ED55 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #45ED55
}
```

## Border

The CSS property to change the border of an element to Hex 45ED55 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
#45ED55 }
```

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

```
.border{ border-color:#45ED55 }
```

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

Here you see how a box with a 4 pixel #45ED55 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #45ED55; -webkit-box-shadow:4px 4px  
4px 4px #45ED55; box-shadow:4px 4px 4px  
4px #45ED55 }
```

# Background

The CSS property to change the background color of an element to Hex 45ED55 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#45ED55 }
```

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

```
.background{ background-color:#45ED55 }
```

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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