

# Converting Colors

Hex(45E272)

Have a look what the booklet for  
Hex(45E272) contains.

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**Color**

**Hex(45E272)**

# Conversions

## Conversions Part 1

Format	Color
Hex	45E272
RGB	69, 226, 114
RGB Percent	27%, 89%, 45%
CMY	0.7294, 0.1137, 0.5529
CMYK	0.69, 0.00, 0.50, 0.11
HSL	137°, 73%, 58%
HSV	137°, 69%, 89%
XYZ	32.6879, 56.8728, 25.1743
YIQ	166.2890, -57.6200, -68.1160

# Conversions

## Conversions Part 2

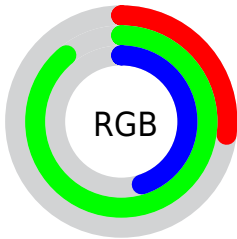
Format	Color
<a href="#">RYB</a>	<a href="#">69, 191, 226</a>
Decimal	<a href="#">4579954</a>
CIELab	<a href="#">80.11, -63.95, 42.95</a>
CIELCh	<a href="#">80, 77.034, 146.113</a>
Yxy	<a href="#">56.8728, 0.2849, 0.4957</a>
Android (android.graphics.Color)	<a href="#">4282770034 (0xFF45E272)</a>
YUV	<a href="#">166.2890, -25.7785, -85.3225</a>
Hunter-Lab	<a href="#">75.4141, -54.6047, 32.9980</a>

# Details

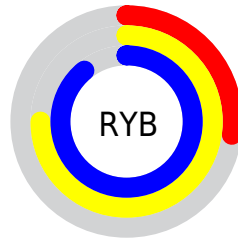
The Hex color **45E272** is a dark color, and the websafe version is hex **33CC66**. The color can be described as middle muted spring green. A complement of this color would be **E245B5**, and the grayscale version is **A7A7A7**.

A 20% lighter version of the original color is **88FFA8**, and **00A93F** is the 20% darker color. If you saturate the color by 10%, you get **2EE262**, and if you desaturate by 10%, it is **5CE282**.

# Distribution



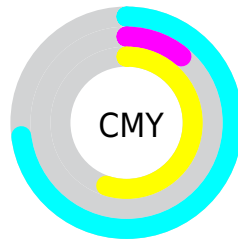
- Red (27%)
- Green (89%)
- Blue (45%)



- Red (27%)
- Yellow (75%)
- Blue (89%)



- Cyan (69%)
- Magenta (0%)
- Yellow (50%)
- Black (11%)



- Cyan (73%)
- Magenta (11%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 45E272 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 45E272 by changing the saturation by 10% instead.



 45E272

 45E272

FFFFFF

 12C558

 88FFA8

 00A93F

 A6FFC3

 008E25

 C5FFE0

 007306

 E4FFFD

 005900

 004000

 002800

 000100

 000000

 45E272

 45E272

 2EE262

 5CE282

 18E252

 72E292

 01E242

 89E2A2

 00E241

 9FE2B2

 B6E2C3

 CDE2D3

 E3E2E3

 FAE2F3

 FFE2FF

# Harmonies

## Analogous

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



ADD536



45E272



00E8BB

# Triad

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



45E272



00D2FF



FF888C

# Complementary

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



45E272



E245B5

# 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.



FF82D3



45E272



B5B8FF

# Square

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



45E272



00E2FF



FF98FF



FFA34E

# Rectangle

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



45E272



00E9EC



FF98FF



FF83A3

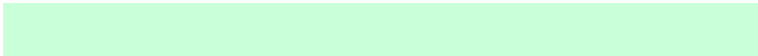


# Sweetspot

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



45E272



C9FFD9



B6E245



608069



000000



808080



# Same Dimension

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



45E272



2BFF68



45E2C0



657068



00B032



00300E



# Inverse Universe

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



E245B5



FF2BC2



E24567



70656D



B0007E



300023



# Previews

## White Background



This preview shows how the Hex color 45E272 looks on a white background.

## Color Contrast Check

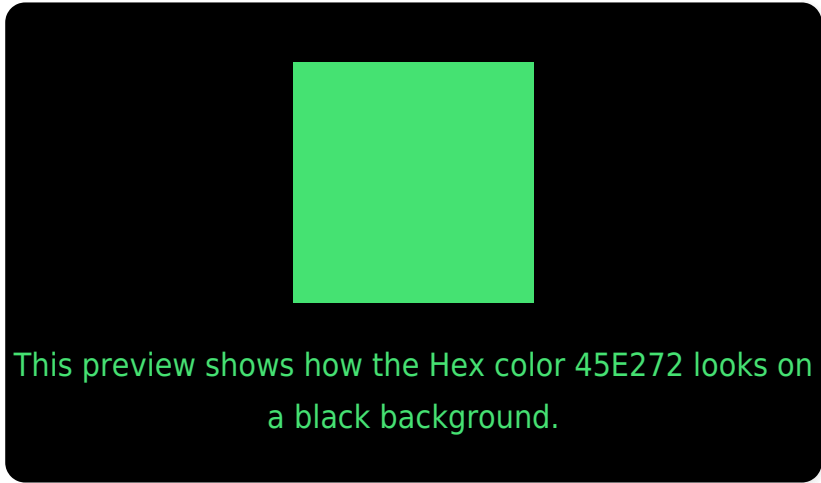
Large Text (above 18pt) WCAG AA × Fail

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

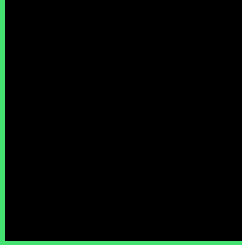
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 45E272 Background



This preview shows how black text looks on a background with the Hex color 45E272.

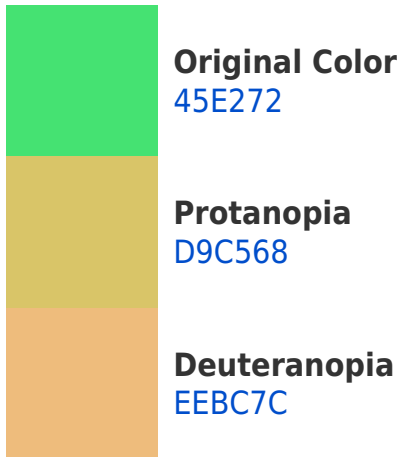


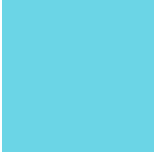
This preview shows how white text looks on a background with the Hex color 45E272.

# 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](#).

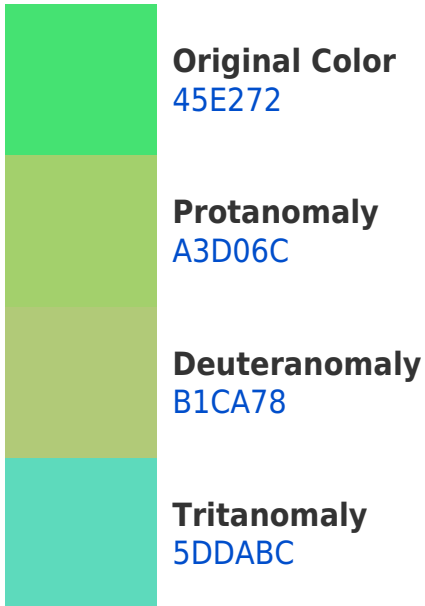
## Dichromacy



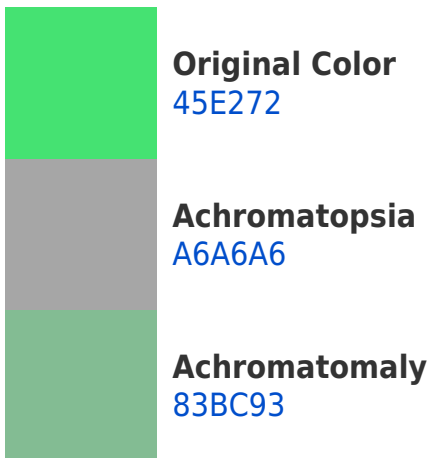


**Tritanopia**  
6BD5E6

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 45E272 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 #45E272 looks like.

```
.text, #text, p{  
    color:#45E272  
}
```

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 #45E272 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #45E272
}
```

## Border

The CSS property to change the border of an element to Hex 45E272 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
#45E272 }
```

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

```
.border{ border-color:#45E272 }
```

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

Here you see how a box with a 4 pixel #45E272 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #45E272; -webkit-box-shadow:4px 4px  
4px 4px #45E272; box-shadow:4px 4px 4px  
4px #45E272 }
```

# Background

The CSS property to change the background color of an element to Hex 45E272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#45E272 }
```

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

```
.background{ background-color:#45E272 }
```

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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