

# Converting Colors

Hex(45CE5A)

Have a look what the booklet for  
Hex(45CE5A) contains.

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# Color

Hex(45CE5A)

# Conversions

## Conversions Part 1

Format	Color
Hex	45CE5A
RGB	69, 206, 90
RGB Percent	27%, 81%, 35%
CMY	0.7294, 0.1922, 0.6471
CMYK	0.67, 0.00, 0.56, 0.19
HSL	129°, 58%, 54%
HSV	129°, 67%, 81%
XYZ	26.3710, 46.1460, 17.1900
YIQ	151.8130, -44.4160, -65.1200

# Conversions

## Conversions Part 2

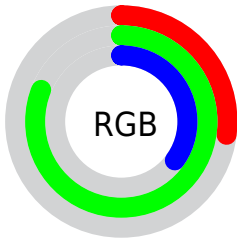
Format	Color
<a href="#">RYB</a>	69, 188, 206
Decimal	4574810
CIELab	73.64, -60.27, 46.46
CIELCh	74, 76.096, 142.373
Yxy	46.1460, 0.2940, 0.5144
Android (android.graphics.Color)	4282764890 (0xFF45CE5A)
YUV	151.8130, -30.4738, -72.6270
Hunter-Lab	67.9309, -49.5846, 32.5481

# Details

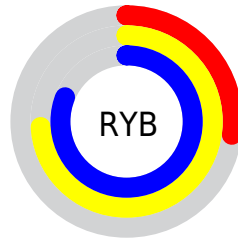
The Hex color **45CE5A** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted green. A complement of this color would be **CE45B9**, and the grayscale version is **989898**.

A 20% lighter version of the original color is **84FF8F**, and **009626** is the 20% darker color. If you saturate the color by 10%, you get **30CE49**, and if you desaturate by 10%, it is **5ACE6B**.

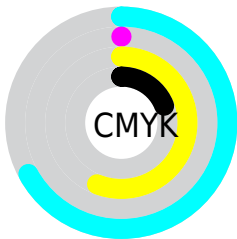
# Distribution



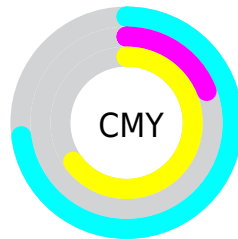
- Red (27%)
- Green (81%)
- Blue (35%)



- Red (27%)
- Yellow (74%)
- Blue (81%)



- Cyan (67%)
- Magenta (0%)
- Yellow (56%)
- Black (19%)



- Cyan (73%)
- Magenta (19%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 45CE5A 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 45CE5A by changing the saturation by 10% instead.



 45CE5A

 45CE5A

FFFFFF

 1AB240

 84FF8F

 009626

 A3FFAA

 007B04

 C1FFC6

 006100

 DFFFE3

 004800

 FDFFFF

 003100

 001500

 000000

 45CE5A

 45CE5A

 30CE49

 5ACE6B

 1CCE37

 6ECE7D

 07CE26

 83CE8E

 00CE20

 97CEA0

 ACCEB1

 C1CEC3

 D5CED4

 EACEE6

 FECEF7

# Harmonies

## Analogous

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



A5C11B



45CE5A



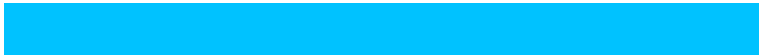
00D4A0

# Triad

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



45CE5A



00C2FF



FF7484

# Complementary

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



45CE5A



CE45B9

# 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.



FF71CA



45CE5A



91AAFF

# Square

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



45CE5A



00D0FF



F88AFF



FF8F46

# Rectangle

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



45CE5A



00D6D1



F88AFF



FF6F9B

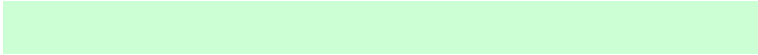


# Sweetspot

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



45CE5A



CCFFD4



B9CE45



618066



000000



808080



# Same Dimension

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



45CE5A



33FF52



45CE9E



5C665D



00A619



002606



# Inverse Universe

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



CE45B9



FF33E0



CE4575



665C64



A6008C

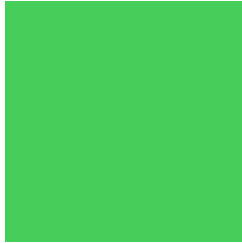


260020



# Previews

## White Background



This preview shows how the Hex color 45CE5A looks on a white background.

## Color Contrast Check

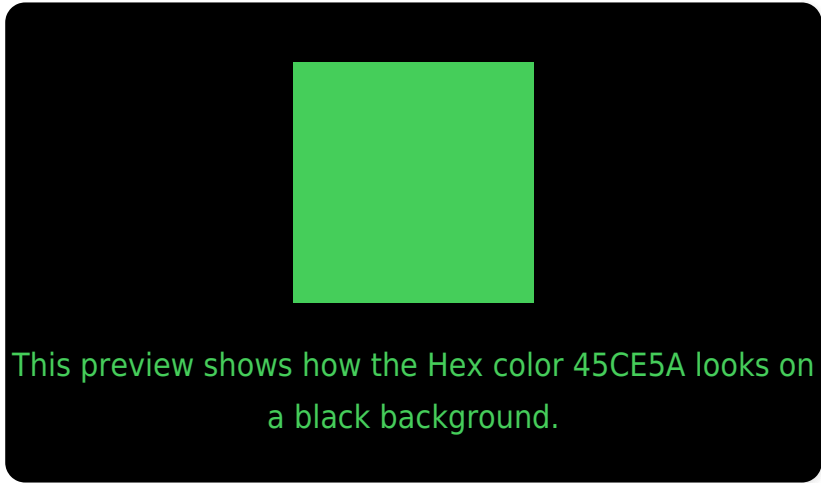
Large Text (above 18pt) WCAG AA × Fail

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

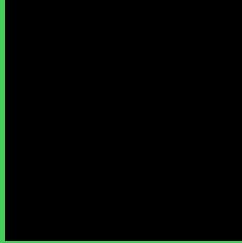
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 45CE5A Background



This preview shows how black text looks on a background with the Hex color 45CE5A.

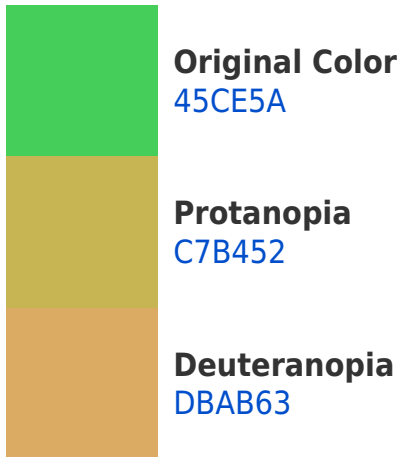


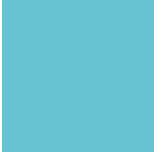
This preview shows how white text looks on a background with the Hex color 45CE5A.

# 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](#).

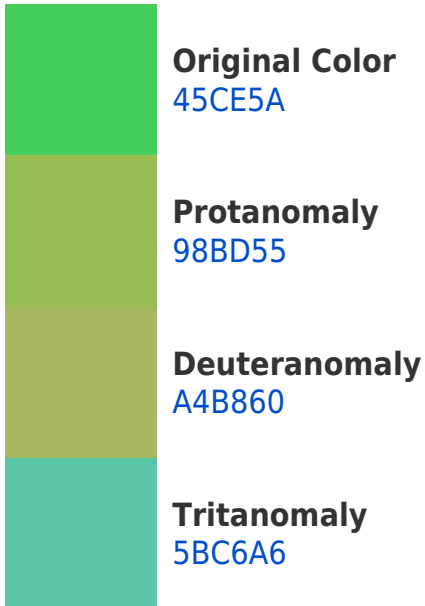
## Dichromacy



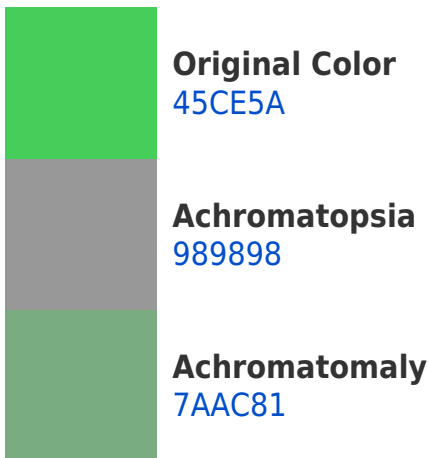


**Tritanopia**  
67C2D1

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 45CE5A 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 #45CE5A looks like.

```
.text, #text, p{  
    color:#45CE5A  
}
```

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 #45CE5A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #45CE5A
}
```

## Border

The CSS property to change the border of an element to Hex 45CE5A 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
#45CE5A }
```

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

```
.border{ border-color:#45CE5A }
```

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

Here you see how a box with a 4 pixel #45CE5A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #45CE5A; -webkit-box-shadow:4px 4px  
4px 4px #45CE5A; box-shadow:4px 4px 4px  
4px #45CE5A }
```

# Background

The CSS property to change the background color of an element to Hex 45CE5A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#45CE5A }
```

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

```
.background{ background-color:#45CE5A }
```

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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