

# Converting Colors

Hex(45AE57)

Have a look what the booklet for  
Hex(45AE57) contains.

<b>Hex(45AE57)</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(45AE57)**

# Conversions

## Conversions Part 1

Format	Color
Hex	45AE57
RGB	69, 174, 87
RGB Percent	27%, 68%, 34%
CMY	0.7294, 0.3176, 0.6588
CMYK	0.60, 0.00, 0.50, 0.32
HSL	130°, 43%, 48%
HSV	130°, 60%, 68%
XYZ	19.3106, 32.2254, 14.2192
YIQ	132.6870, -34.6530, -49.3170

# Conversions

## Conversions Part 2

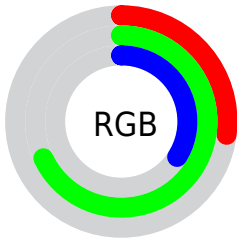
Format	Color
<a href="#">RYB</a>	<a href="#">69, 159, 174</a>
Decimal	<a href="#">4566615</a>
CIELab	<a href="#">63.53, -48.86, 35.65</a>
CIELCh	<a href="#">64, 60.481, 143.884</a>
Yxy	<a href="#">32.2254, 0.2937, 0.4901</a>
Android (android.graphics.Color)	<a href="#">4282756695 (0xFF45AE57)</a>
YUV	<a href="#">132.6870, -22.5237, -55.8535</a>
Hunter-Lab	<a href="#">56.7674, -38.6227, 24.8862</a>

# Details

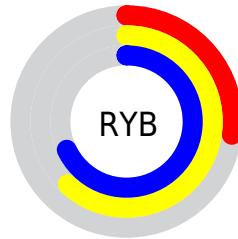
The Hex color **45AE57** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **AE459C**, and the grayscale version is **858585**.

A 20% lighter version of the original color is **7FE68A**, and **007826** is the 20% darker color. If you saturate the color by 10%, you get **34AE49**, and if you desaturate by 10%, it is **56AE65**.

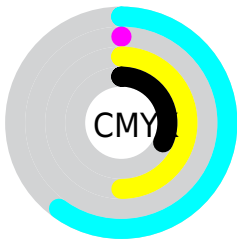
# Distribution



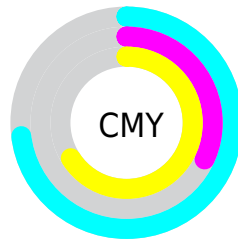
- Red (27%)
- Green (68%)
- Blue (34%)



- Red (27%)
- Yellow (62%)
- Blue (68%)



- Cyan (60%)
- Magenta (0%)
- Yellow (50%)
- Black (32%)



- Cyan (73%)
- Magenta (32%)
- Yellow (66%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 45AE57 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 45AE57 by changing the saturation by 10% instead.



 45AE57

 45AE57

FFFFFF

 24933E

 7FE68A

 007826

 9CFFA5

 005F0C

 B8FFC1

 004600

 D6FFDD

 002F00

 F3FFFA

 001500

 000000

 45AE57

 45AE57

 34AE49

 56AE65

 22AE3A

 68AE74

 11AE2C

 79AE82

 00AE1E

 8BAE91

 9CAE9F

 ADAEAE

 BFAEBC

 D0AECA

 E2AED9

# Harmonies

## Analogous

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



8CA42D



45AE57



00B38D

# Triad

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



45AE57



00A3FF



FB6B71

# Complementary

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



45AE57



AE459C

# 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.



F568A7



45AE57



8790FD

# Square

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



45AE57



00AFF0



D179DA



E67E43

# Rectangle

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



45AE57



00B4B2



D179DA



FC6883



# Sweetspot

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



45AE57



BAE3C1



9CAE45



5A735E



F2F2F2



737373



# Same Dimension

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



45AE57



40E35C



45AE8B



4E5750



00961A



001704



# Inverse Universe

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



AE459C



E340C7



AE4568



574E55



96007D



170013



# Previews

## White Background



This preview shows how the Hex color 45AE57 looks on a white background.

## Color Contrast Check

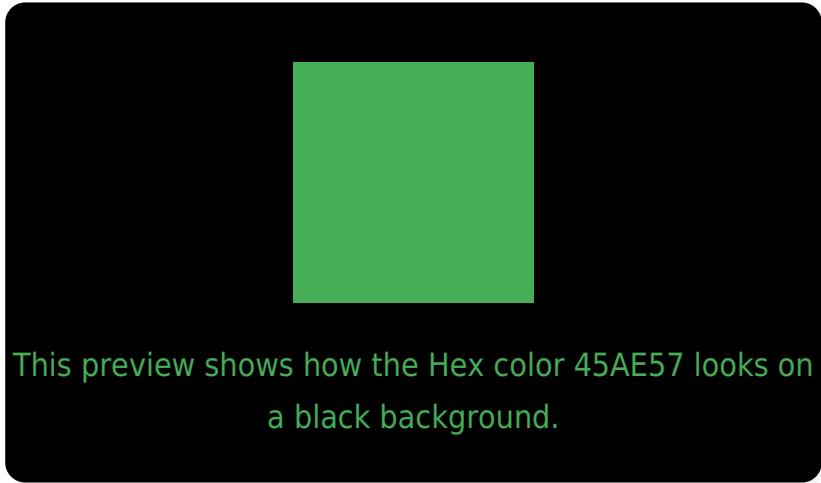
Large Text (above 18pt) WCAG AA × Fail

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

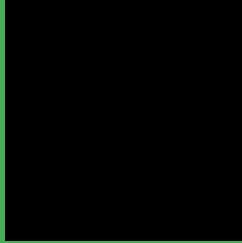
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 45AE57 Background



This preview shows how black text looks on a background with the Hex color 45AE57.

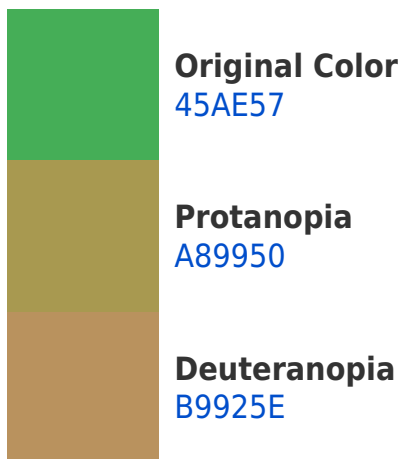


This preview shows how white text looks on a background with the Hex color 45AE57.

# 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





# Trichromacy



**Original Color**  
45AE57



**Protanomaly**  
84A153



**Deuteranomaly**  
8F9C5B



**Tritanomaly**  
54A890

# Monochromacy



**Original Color**  
45AE57



**Achromatopsia**  
858585



**Achromatomaly**  
6E9474

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 45AE57 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 #45AE57 looks like.

```
.text, #text, p{  
    color:#45AE57  
}
```

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 #45AE57 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #45AE57  
}
```

## Border

The CSS property to change the border of an element to Hex 45AE57 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  
#45AE57 }
```

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

```
.border{ border-color:#45AE57 }
```

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

Here you see how a box with a 4 pixel #45AE57 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #45AE57; -webkit-box-shadow:4px 4px  
4px 4px #45AE57; box-shadow:4px 4px 4px  
4px #45AE57 }
```

# Background

The CSS property to change the background color of an element to Hex 45AE57 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#45AE57 }
```

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

```
.background{ background-color:#45AE57 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor