

# Converting Colors

Hex(46AE56)

Have a look what the booklet for  
Hex(46AE56) contains.

<b>Hex(46AE56)</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(46AE56)**

# Conversions

## Conversions Part 1

Format	Color
Hex	46AE56
RGB	70, 174, 86
RGB Percent	27%, 68%, 34%
CMY	0.7255, 0.3176, 0.6627
CMYK	0.60, 0.00, 0.51, 0.32
HSL	129°, 43%, 48%
HSV	129°, 60%, 68%
XYZ	19.3416, 32.2461, 14.0088
YIQ	132.8720, -33.7360, -49.4160

# Conversions

## Conversions Part 2

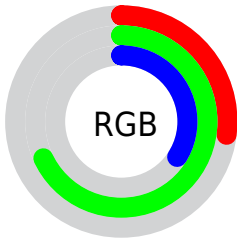
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">70, 160, 174</a>
Decimal	<a href="#">4632150</a>
CIELab	<a href="#">63.55, -48.77, 36.18</a>
CIELCh	<a href="#">64, 60.729, 143.432</a>
Yxy	<a href="#">32.2461, 0.2949, 0.4916</a>
Android (android.graphics.Color)	<a href="#">4282822230 (0xFF46AE56)</a>
YUV	<a href="#">132.8720, -23.1079, -55.1387</a>
Hunter-Lab	<a href="#">56.7856, -38.5766, 25.1233</a>

# Details

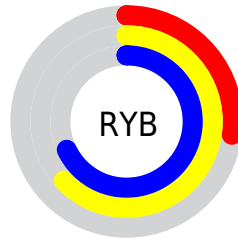
The Hex color **46AE56** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **AE469E**, and the grayscale version is **858585**.

A 20% lighter version of the original color is **80E689**, and **007825** is the 20% darker color. If you saturate the color by 10%, you get **35AE47**, and if you desaturate by 10%, it is **57AE65**.

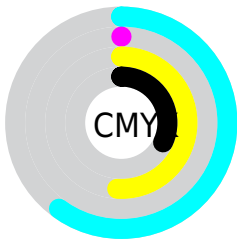
# Distribution



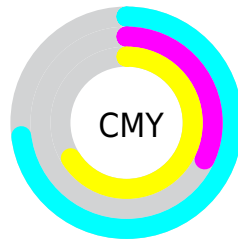
- Red (27%)
- Green (68%)
- Blue (34%)



- Red (27%)
- Yellow (63%)
- Blue (68%)



- Cyan (60%)
- Magenta (0%)
- Yellow (51%)
- Black (32%)



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

# Brightness & Saturation Gradients

These gradients show how the Hex color 46AE56 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 46AE56 by changing the saturation by 10% instead.



 46AE56

 46AE56

FFFFFF

 25933D

 80E689

 007825

 9CFFA4

 005F0A

 B9FFC0

 004600

 D6FFDC

 002F00

 F4FFF9

 001500

 000000

 46AE56

 46AE56

 35AE47

 57AE65

 23AE39

 69AE73

 12AE2A

 7AAE82

 00AE1B

 8CAE91

 9DAEA0

 AEAEAE

 C0AEBD

 D1AECC

 E3AEDB

# Harmonies

## Analogous

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



8DA42C



46AE56



00B38C

# Triad

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



46AE56



00A4FF



FB6B72

# Complementary

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



46AE56



AE469E

# 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.



F568A8



46AE56



8591FE

# Square

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



46AE56



00AFF0



D079DB



E77E43

# Rectangle

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



46AE56



00B4B1



D079DB



FD6784



# Sweetspot

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



46AE56



BAE3C0



9EAE46



5A735D



F2F2F2



737373



# Same Dimension

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



46AE56



40E359



46AE8A



4E574F



009617



001704



# Inverse Universe

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



AE469E



E340CA



AE466A



574E55



96007F



170013



# Previews

## White Background



This preview shows how the Hex color 46AE56 looks on a white background.

## Color Contrast Check

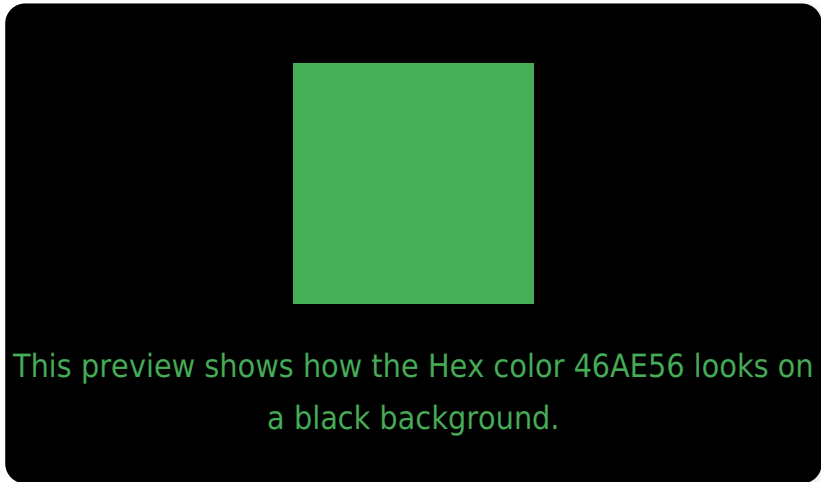
Large Text (above 18pt) WCAG AA × Fail

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 46AE56 Background



This preview shows how black text looks on a background with the Hex color 46AE56.



This preview shows how white text looks on a background with the Hex color 46AE56.

# 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](#).

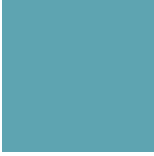
## Dichromacy



**Original Color**  
46AE56

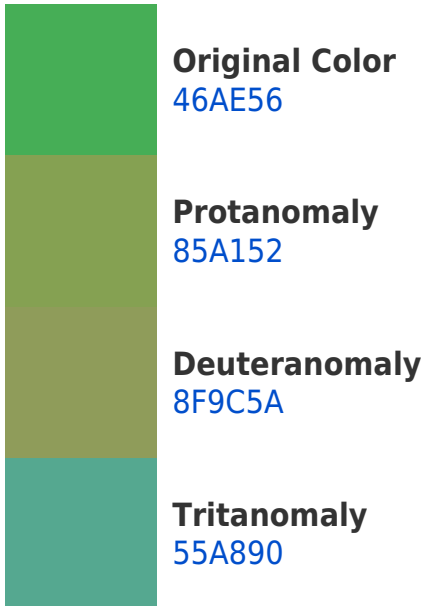
**Protanopia**  
A9994F

**Deuteranopia**  
B9925D



**Tritanopia**  
5EA4B1

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 46AE56 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 #46AE56 looks like.

```
.text, #text, p{  
    color:#46AE56  
}
```

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 #46AE56 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46AE56
}
```

## Border

The CSS property to change the border of an element to Hex 46AE56 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
#46AE56 }
```

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

```
.border{ border-color:#46AE56 }
```

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

Here you see how a box with a 4 pixel #46AE56 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46AE56; -webkit-box-shadow:4px 4px  
4px 4px #46AE56; box-shadow:4px 4px 4px  
4px #46AE56 }
```

# Background

The CSS property to change the background color of an element to Hex 46AE56 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46AE56 }
```

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

```
.background{ background-color:#46AE56 }
```

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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