

# Converting Colors

Hex(70AA5E)

Have a look what the booklet for  
Hex(70AA5E) contains.

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# **Color**

**Hex(70AA5E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	70AA5E
RGB	112, 170, 94
RGB Percent	44%, 67%, 37%
CMY	0.5608, 0.3333, 0.6314
CMYK	0.34, 0.00, 0.45, 0.33
HSL	106°, 31%, 52%
HSV	106°, 45%, 67%
XYZ	23.0772, 33.0023, 15.7435
YIQ	143.9940, -10.1720, -35.9320

# Conversions

## Conversions Part 2

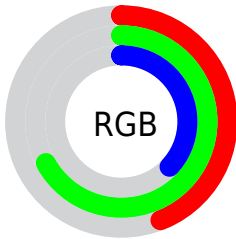
<b>Format</b>	<b>Color</b>
<b>RYB</b>	94, 170, 152
Decimal	7383646
CIELab	64.16, -33.60, 33.24
CIELCh	64, 47.265, 135.312
Yxy	33.0023, 0.3213, 0.4595
Android (android.graphics.Color)	4285573726 (0xFF70AA5E)
YUV	143.9940, -24.6470, -28.0587
Hunter-Lab	57.4477, -28.8285, 23.9650

# Details

The Hex color **70AA5E** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **985EAA**, and the grayscale version is **909090**.

A 20% lighter version of the original color is **A6E292**, and **3C752E** is the 20% darker color. If you saturate the color by 10%, you get **63AA4D**, and if you desaturate by 10%, it is **7DAA6F**.

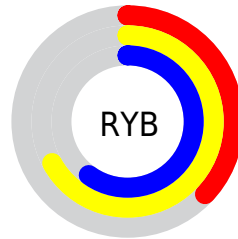
# Distribution



Red (44%)

Green (67%)

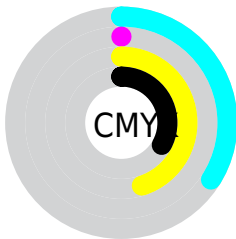
Blue (37%)



Red (37%)

Yellow (67%)

Blue (60%)

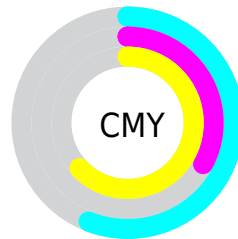


Cyan (34%)

Magenta (0%)

Yellow (45%)

Black (33%)



Cyan (56%)

Magenta (33%)

Yellow (63%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 70AA5E 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 70AA5E by changing the saturation by 10% instead.



70AA5E

70AA5E

FFFFFF

568F45

A6E292

3C752E

C2FEAC

215C16

DEFFC8

014400

FCFFE4

002D00

001700

000000

70AA5E

70AA5E

63AA4D

7DAA6F

■ 56AA3C

■ 8AAA80

■ 49AA2B

■ 97AA91

■ 3CAA1A

■ A4AAA2

■ 2FAA09

■ B1AAB3

■ 28AA00

■ BEAAC4

■ CBAAD5

■ D8AAE6

■ E5AAF7

# Harmonies

## Analogous

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



9FA047



70AA5E



27B085

# Triad

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



70AA5E



00A6ED



EB7887

# Complementary

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



70AA5E



985EAA

# 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.



DF7BB2



70AA5E



7C98ED

# Square

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



70AA5E



00AED6



BA88D7



E18361

# Rectangle

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



70AA5E



00B1A2



BA88D7



EA7896



# Sweetspot

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



70AA5E



C8DEC1



AA975E



62705E



F0F0F0



707070



# Same Dimension

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



70AA5E



82DE66



5EAA71



4E544C



239400



051400



# Inverse Universe

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



985EAA



C166DE



AA5E97



524C54



710094



100014



# Previews

## White Background



This preview shows how the Hex color 70AA5E looks on a white background.

## Color Contrast Check

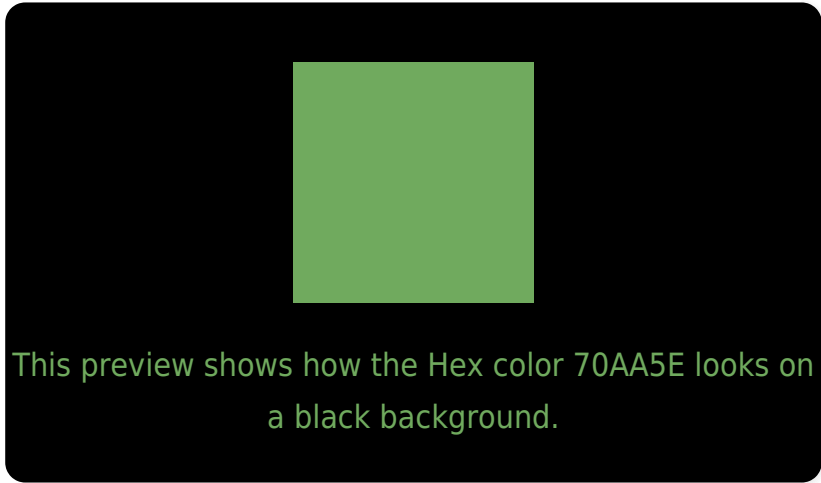
Large Text (above 18pt) WCAG AA × Fail

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 70AA5E Background



This preview shows how black text looks on a background with the Hex color 70AA5E.

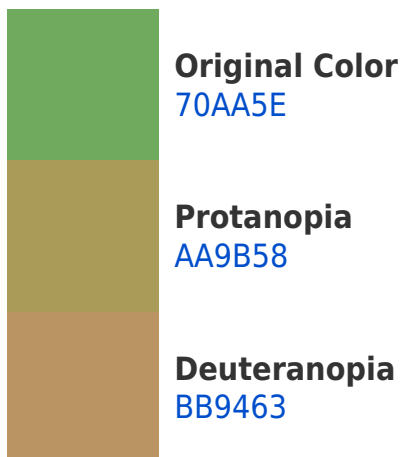


This preview shows how white text looks on a background with the Hex color 70AA5E.

# 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](#).

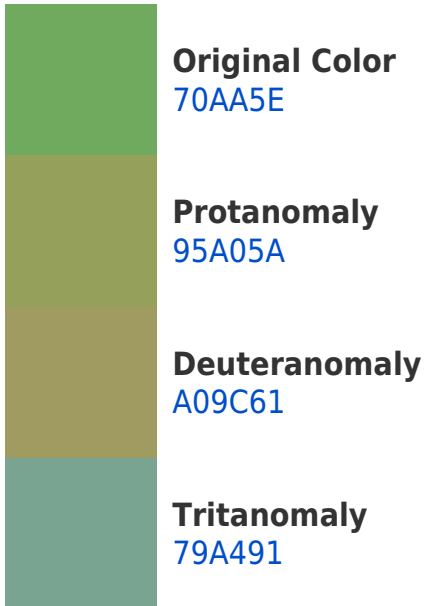
## Dichromacy



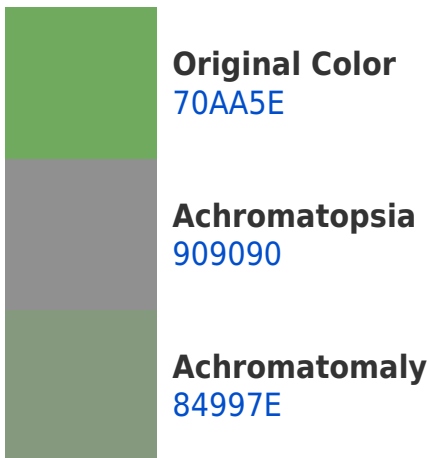


**Tritanopia**  
7EA1AE

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 70AA5E 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 #70AA5E looks like.

```
.text, #text, p{  
    color:#70AA5E  
}
```

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 #70AA5E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #70AA5E
}
```

## Border

The CSS property to change the border of an element to Hex 70AA5E 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
#70AA5E }
```

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

```
.border{ border-color:#70AA5E }
```

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

Here you see how a box with a 4 pixel #70AA5E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #70AA5E; -webkit-box-shadow:4px 4px  
4px 4px #70AA5E; box-shadow:4px 4px 4px  
4px #70AA5E }
```

# Background

The CSS property to change the background color of an element to Hex 70AA5E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#70AA5E }
```

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

```
.background{ background-color:#70AA5E }
```

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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