

# Converting Colors

Hex(66AA6E)

Have a look what the booklet for  
Hex(66AA6E) contains.

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**Color**

**Hex(66AA6E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66AA6E
RGB	102, 170, 110
RGB Percent	40%, 67%, 43%
CMY	0.6000, 0.3333, 0.5686
CMYK	0.40, 0.00, 0.35, 0.33
HSL	127°, 29%, 53%
HSV	127°, 40%, 67%
XYZ	22.6687, 32.7000, 19.8688
YIQ	142.8280, -21.2680, -33.0760

# Conversions

## Conversions Part 2

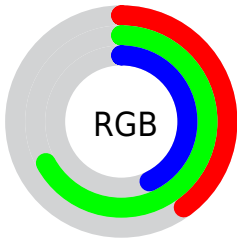
Format	Color
<a href="#">RYB</a>	<a href="#">102, 163, 170</a>
Decimal	<a href="#">6728302</a>
CIELab	<a href="#">63.92, -34.40, 24.35</a>
CIELCh	<a href="#">64, 42.142, 144.707</a>
Yxy	<a href="#">32.7000, 0.3013, 0.4346</a>
Android (android.graphics.Color)	<a href="#">4284918382 (0xFF66AA6E)</a>
YUV	<a href="#">142.8280, -16.1842, -35.8062</a>
Hunter-Lab	<a href="#">57.1839, -29.3114, 19.4282</a>

# Details

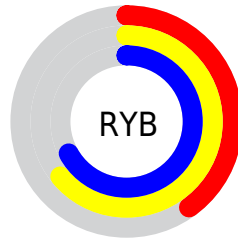
The Hex color **66AA6E** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **AA66A2**, and the grayscale version is **8F8F8F**.

A 20% lighter version of the original color is **9CE2A2**, and **31753E** is the 20% darker color. If you saturate the color by 10%, you get **55AA5F**, and if you desaturate by 10%, it is **77AA7D**.

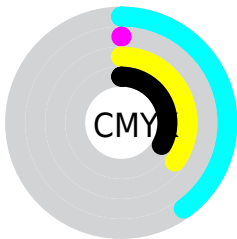
# Distribution



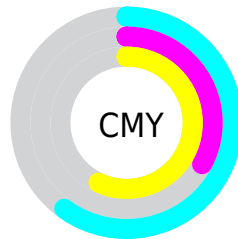
- Red (40%)
- Green (67%)
- Blue (43%)



- Red (40%)
- Yellow (64%)
- Blue (67%)



- Cyan (40%)
- Magenta (0%)
- Yellow (35%)
- Black (33%)



- Cyan (60%)
- Magenta (33%)
- Yellow (57%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 66AA6E 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 66AA6E by changing the saturation by 10% instead.



 66AA6E

 66AA6E

FFFFFF

 4C8F55

 9CE2A2

 31753E

 B8FFBD

 145C27

 D4FFD9

 004411

 F1FFF6

 002D00

 001600

 000000

 66AA6E

 66AA6E

 55AA5F

 77AA7D

■ 44AA50

■ 88AA8C

■ 33AA41

■ 99AA9B

■ 22AA32

■ AAAAAA

■ 11AA23

■ BBAAB9

■ 00AA14

■ CCAAC8

■ DDAAD7

■ EEAAE6

■ FFAAF5

# Harmonies

## Analogous

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



93A255



66AA6E



23AE93

# Triad

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



66AA6E



4EA1E5



E27E7D

# Complementary

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



66AA6E



AA66A2

# 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.



DD7DA3



66AA6E



9494DF

# Square

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



66AA6E



00AAD7



C386C7



D4895F

# Rectangle

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



66AA6E



00AEAD



C386C7



E37D8A



# Sweetspot

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



66AA6E



C3DEC6



A2AA66



607062



F0F0F0



707070



# Same Dimension

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



66AA6E



73DE80



66AA90



4C544D



009411



001402



# Inverse Universe

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



AA66A2



DE73D1



AA6680



544C53



940083



140012



# Previews

## White Background



This preview shows how the Hex color 66AA6E looks on a white background.

## Color Contrast Check

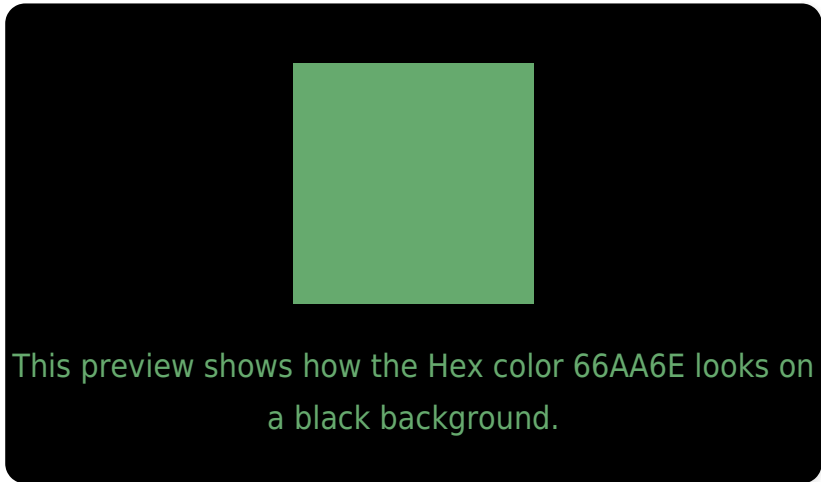
Large Text (above 18pt) WCAG AA × Fail

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

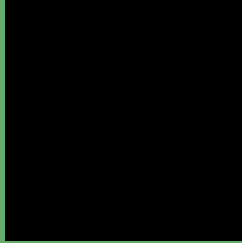
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 66AA6E Background



This preview shows how black text looks on a background with the Hex color 66AA6E.

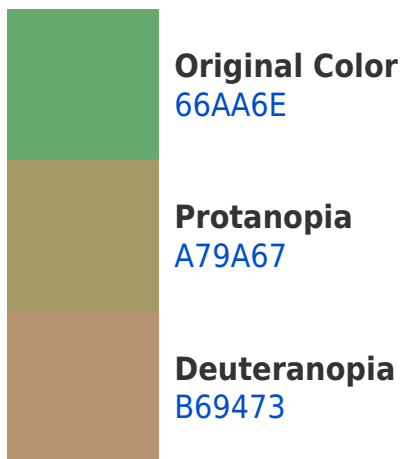


This preview shows how white text looks on a background with the Hex color 66AA6E.

# 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](#).

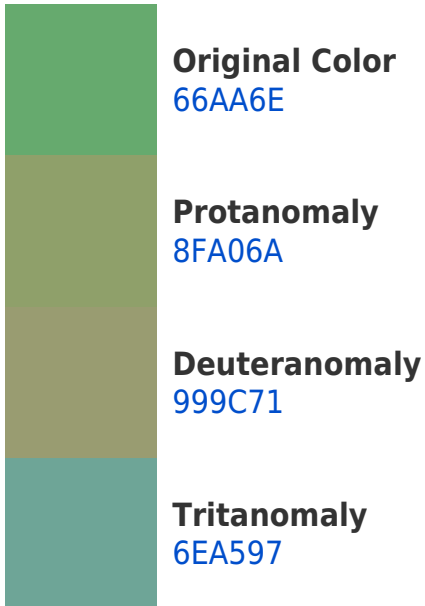
## Dichromacy



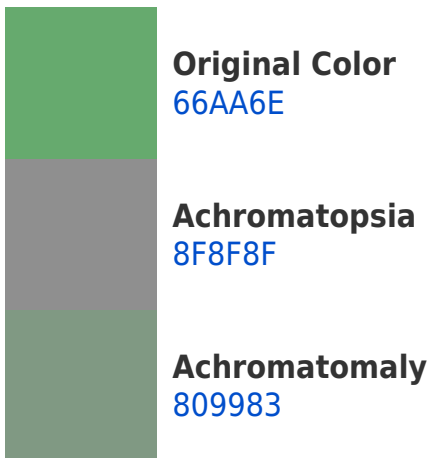


**Tritanopia**  
73A2AF

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 66AA6E 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 #66AA6E looks like.

```
.text, #text, p{  
    color:#66AA6E  
}
```

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 #66AA6E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #66AA6E
}
```

## Border

The CSS property to change the border of an element to Hex 66AA6E 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
#66AA6E }
```

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

```
.border{ border-color:#66AA6E }
```

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

Here you see how a box with a 4 pixel #66AA6E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #66AA6E; -webkit-box-shadow:4px 4px  
4px 4px #66AA6E; box-shadow:4px 4px 4px  
4px #66AA6E }
```

# Background

The CSS property to change the background color of an element to Hex 66AA6E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#66AA6E }
```

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

```
.background{ background-color:#66AA6E }
```

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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