

# Converting Colors

Hex(48A677)

Have a look what the booklet for  
Hex(48A677) contains.

<b>Hex(48A677)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

Hex(48A677)

# Conversions

## Conversions Part 1

Format	Color
Hex	48A677
RGB	72, 166, 119
RGB Percent	28%, 65%, 47%
CMY	0.7176, 0.3490, 0.5333
CMYK	0.57, 0.00, 0.28, 0.35
HSL	150°, 39%, 47%
HSV	150°, 57%, 65%
XYZ	19.6385, 29.9821, 22.2048
YIQ	132.5360, -40.9370, -34.5450

# Conversions

## Conversions Part 2

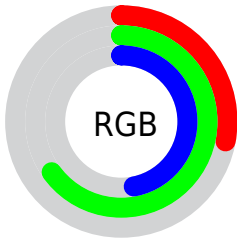
Format	Color
<a href="#">RYB</a>	<a href="#">72, 135, 166</a>
Decimal	<a href="#">4761207</a>
CIELab	<a href="#">61.64, -39.06, 16.14</a>
CIELCh	<a href="#">62, 42.260, 157.551</a>
Yxy	<a href="#">29.9821, 0.2734, 0.4174</a>
Android (android.graphics.Color)	<a href="#">4282951287 (0xFF48A677)</a>
YUV	<a href="#">132.5360, -6.6732, -53.0901</a>
Hunter-Lab	<a href="#">54.7559, -31.8028, 14.2856</a>

# Details


The Hex color **48A677** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **A64877**, and the grayscale version is **858585**.

A 20% lighter version of the original color is **80DEAB**, and **007146** is the 20% darker color. If you saturate the color by 10%, you get **37A66F**, and if you desaturate by 10%, it is **59A67F**.

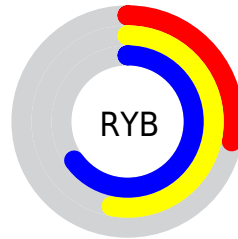
# Distribution



 Red (28%)

 Green (65%)

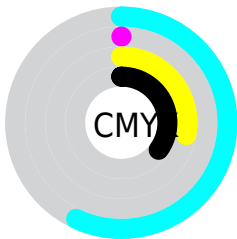
 Blue (47%)




 Red (28%)

 Yellow (53%)

 Blue (65%)

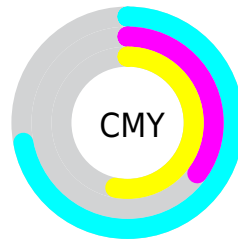


 Cyan (57%)


 Magenta (0%)

 Yellow (28%)

 Black (35%)



 Cyan (72%)

 Magenta (35%)

 Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 48A677 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 48A677 by changing the saturation by 10% instead.



 48A677

 48A677

FFFFFF

 2A8B5E

 80DEAB

 007146

 9CFBC7

 005830

 B8FFE3

 00401A

 D5FFFF

 002A01

 F3FFFF

 000B00

 000000

 48A677

 48A677

 37A66F

 59A67F

 27A666

 69A688

 16A65E

 7AA690

 06A656

 8AA698

 00A653

 9BA6A0

 ACA6A9

 BCA6B1

 CDA6B9

 DDA6C2

# Harmonies

## Analogous

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



7BA058



48A677



00A89D

# Triad

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



48A677



6996DF



D77C69

# Complementary

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



48A677



A64877

# 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.



DB768D



48A677



A587D0

# Square

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



48A677



00A0D9



CB7BB2



C38950

# Rectangle

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



48A677



00A8B6



CB7BB2



DB7974



# Sweetspot

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



48A677



B4D9C6



77A648



586E63



EDEDED



6E6E6E



# Same Dimension

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



48A677



45D98F



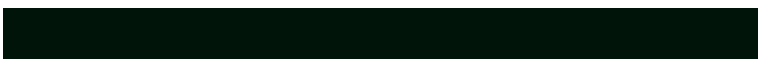
48A6A6



4C5450



00944A



00140A



# Inverse Universe

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



A64877



D9458F



A64848



544C50



94004A



14000A



# Previews

## White Background



This preview shows how the Hex color 48A677 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 48A677 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

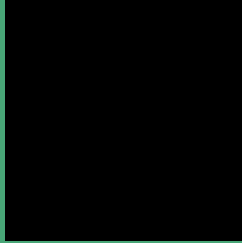
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 48A677 Background



This preview shows how black text looks on a background with the Hex color 48A677.

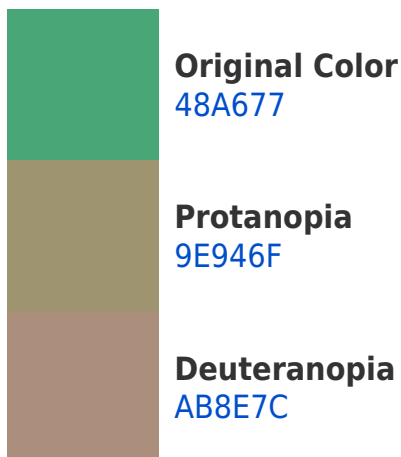


This preview shows how white text looks on a background with the Hex color 48A677.

# 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**  
48A677



**Protanomaly**  
7F9B72



**Deuteranomaly**  
87977A



**Tritanomaly**  
52A299

# Monochromacy



**Original Color**  
48A677



**Achromatopsia**  
858585



**Achromatomaly**  
6F9180

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 48A677 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 #48A677 looks like.

```
.text, #text, p{  
    color:#48A677  
}
```

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 #48A677 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #48A677  
}
```

## Border

The CSS property to change the border of an element to Hex 48A677 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  
#48A677 }
```

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

```
.border{ border-color:#48A677 }
```

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

Here you see how a box with a 4 pixel #48A677 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #48A677; -webkit-box-shadow:4px 4px  
4px 4px #48A677; box-shadow:4px 4px 4px  
4px #48A677 }
```

# Background

The CSS property to change the background color of an element to Hex 48A677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#48A677 }
```

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

```
.background{ background-color:#48A677 }
```

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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