

# Converting Colors

Hex(56A77B)

Have a look what the booklet for  
Hex(56A77B) contains.

<b>Hex(56A77B)</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(56A77B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	56A77B
RGB	86, 167, 123
RGB Percent	34%, 65%, 48%
CMY	0.6627, 0.3451, 0.5176
CMYK	0.49, 0.00, 0.26, 0.35
HSL	147°, 32%, 50%
HSV	147°, 49%, 65%
XYZ	21.2316, 31.0459, 23.6123
YIQ	137.7650, -34.1520, -30.8560

# Conversions

## Conversions Part 2

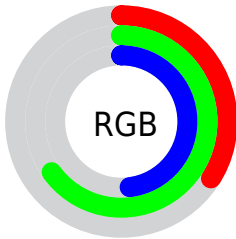
<b>Format</b>	<b>Color</b>
<b>RYB</b>	86, 142, 167
Decimal	5678971
CIELab	62.55, -35.18, 15.27
CIElCh	63, 38.353, 156.544
Yxy	31.0459, 0.2798, 0.4091
Android (android.graphics.Color)	4283869051 (0xFF56A77B)
YUV	137.7650, -7.2791, -45.3979
Hunter-Lab	55.7189, -29.4908, 13.8775

# Details

The Hex color **56A77B** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **A75682**, and the grayscale version is **8A8A8A**.

A 20% lighter version of the original color is **8CDFB0**, and **1D724A** is the 20% darker color. If you saturate the color by 10%, you get **45A772**, and if you desaturate by 10%, it is **67A784**.

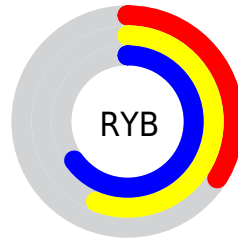
# Distribution



Red (34%)

Green (65%)

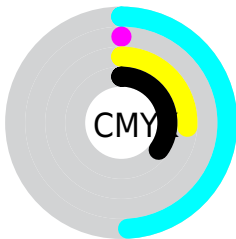
Blue (48%)



Red (34%)

Yellow (56%)

Blue (65%)

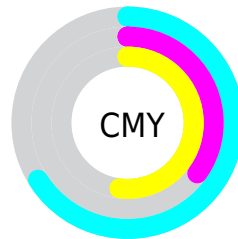


Cyan (49%)

Magenta (0%)

Yellow (26%)

Black (35%)



Cyan (66%)

Magenta (35%)

Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 56A77B 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 56A77B by changing the saturation by 10% instead.



 56A77B

 56A77B

FFFFFF

 3B8C62

 8CDFB0

 1D724A

 A8FBCB

 005933

 C4FFE7

 00411E

 E1FFFF

 002B06

 001000

 000000

 56A77B

 56A77B

 45A772

 67A784

 35A769

 77A78D

 24A760

 88A796

 13A757

 99A79F

 02A74E

 AAA7A8

 00A74C

 BAA7B1

 CBA7BB

 DCA7C4

 ECA7CD

# Harmonies

## Analogous

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



81A15F



56A77B



11A99E

# Triad

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



56A77B



7098DB



D58170

# Complementary

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



56A77B



A75682

# 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.



D87C91



56A77B



A58CCE

# Square

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



56A77B



25A2D5



C880B3



C38C59

# Rectangle

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



56A77B



00A9B5



C880B3



D87E7B



# Sweetspot

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



56A77B



B8D9C7



83A756



5A6E63



EDEDED



6E6E6E



# Same Dimension

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



56A77B



5BD994



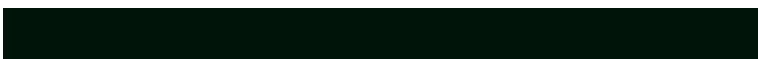
56A7A3



4C5450



009444



001409



# Inverse Universe

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



A75682



D95B9F



A7565A



544C50



940050



14000B



# Previews

## White Background



This preview shows how the Hex color 56A77B looks on a white background.

## Color Contrast Check

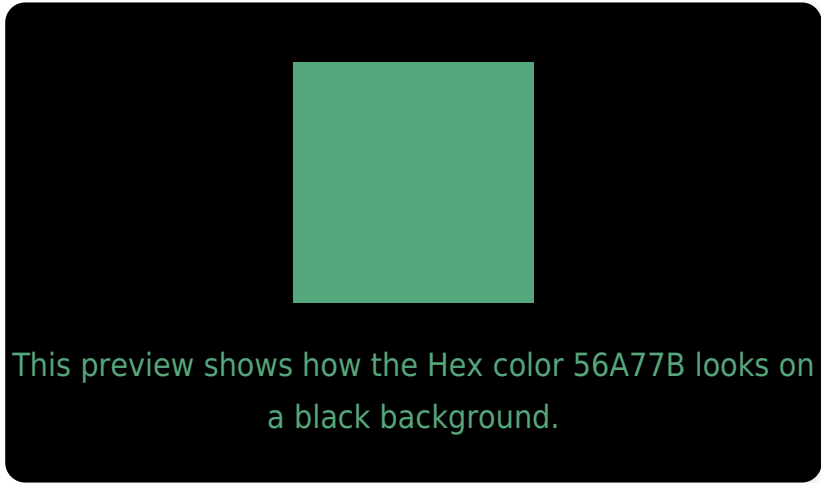
Large Text (above 18pt) WCAG AA × Fail

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

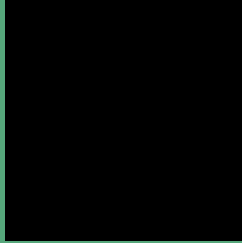
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 56A77B Background



This preview shows how black text looks on a background with the Hex color 56A77B.

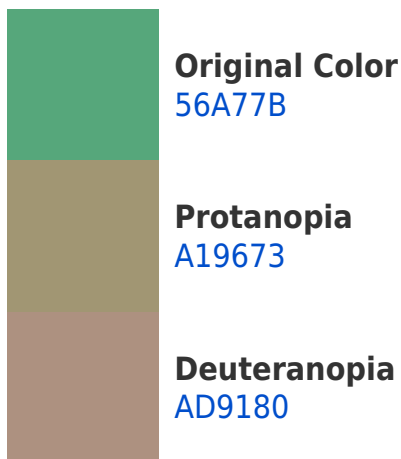


This preview shows how white text looks on a background with the Hex color 56A77B.

# 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](#).

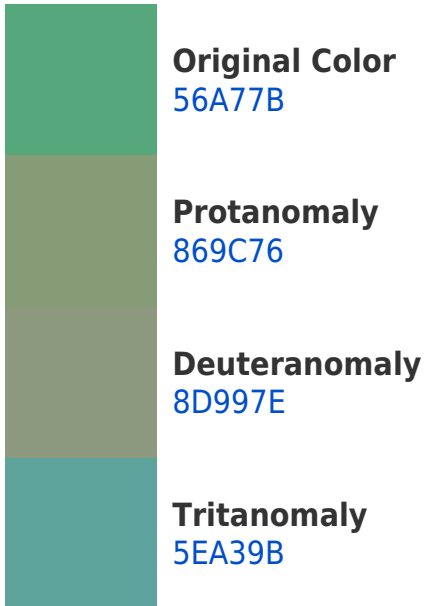
## Dichromacy



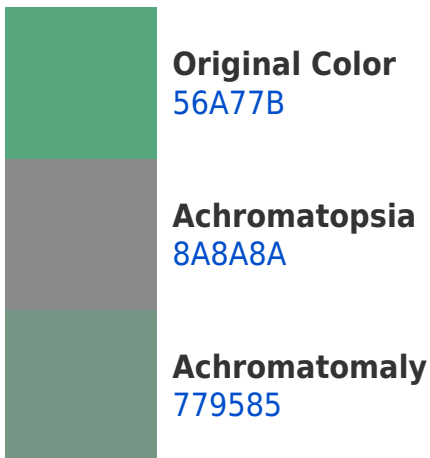


**Tritanopia**  
63A0AD

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 56A77B 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 #56A77B looks like.

```
.text, #text, p{  
    color:#56A77B  
}
```

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 #56A77B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #56A77B
}
```

## Border

The CSS property to change the border of an element to Hex 56A77B 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
#56A77B }
```

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

```
.border{ border-color:#56A77B }
```

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

Here you see how a box with a 4 pixel #56A77B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #56A77B; -webkit-box-shadow:4px 4px  
4px 4px #56A77B; box-shadow:4px 4px 4px  
4px #56A77B }
```

# Background

The CSS property to change the background color of an element to Hex 56A77B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#56A77B }
```

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

```
.background{ background-color:#56A77B }
```

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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