

# Converting Colors

Hex(66A77E)

Have a look what the booklet for  
Hex(66A77E) contains.

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# Color

**Hex(66A77E)**

# Conversions

| Conversions Part 1 |                              |
|--------------------|------------------------------|
| Format             | Color                        |
| Hex                | 66A77E                       |
| RGB                | 102, 167, 126                |
| RGB Percent        | 40%, 65%, 49%                |
| CMY                | 0.6000, 0.3451, 0.5059       |
| CMYK               | 0.39, 0.00, 0.25, 0.35       |
| HSL                | 142°, 27%, 53%               |
| HSV                | 142°, 39%, 65%               |
| XYZ                | 23.0641, 31.9686, 24.6936    |
| YIQ                | 142.8910, -25.5790, -26.5310 |

# Conversions

## Conversions Part 2

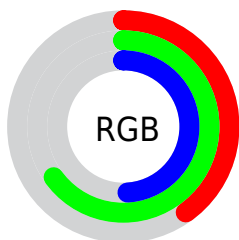
| Format                              | Color                                       |
|-------------------------------------|---|
| <a href="#">RYB</a>                 | <a href="#">102, 149, 167</a>               |
| Decimal                             | <a href="#">6727550</a>                     |
| CIELab                              | <a href="#">63.32, -30.02, 14.79</a>        |
| CIELCh                              | <a href="#">63, 33.461, 153.773</a>         |
| Yxy                                 | <a href="#">31.9686, 0.2893, 0.4010</a>     |
| Android<br>(android.graphics.Color) | <a href="#">4284917630</a><br>(0xFF66A77E)  |
| YUV                                 | <a href="#">142.8910, -8.3273, -35.8614</a> |
| Hunter-Lab                          | <a href="#">56.5408, -26.1326, 13.6842</a>  |

# Details

The Hex color **66A77E** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **A7668F**, and the grayscale version is **8F8F8F**.

A 20% lighter version of the original color is **9BDFB3**, and **32734D** is the 20% darker color. If you saturate the color by 10%, you get **55A773**, and if you desaturate by 10%, it is **77A789**.

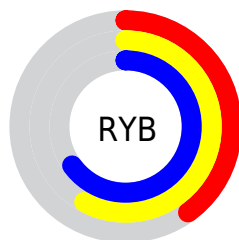
# Distribution



Red (40%)

Green (65%)

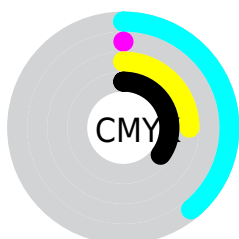
Blue (49%)



Red (40%)

Yellow (58%)

Blue (65%)

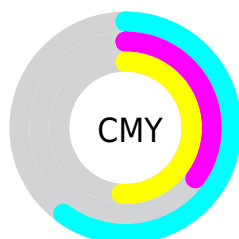


Cyan (39%)

Magenta (0%)

Yellow (25%)

Black (35%)



Cyan (60%)

Magenta (35%)

Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 66A77E 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 66A77E by changing the saturation by 10% instead.



 66A77E

FFFFFF

 9BDFB3

 B7FBCE

 D3FFEB

 F0FFFF

 66A77E

 4C8C65

 32734D

 165A36

 004220

 002B0A

 001400

 000000

 66A77E

 55A773

 66A77E

 77A789

 45A769

 87A793

 34A75E

 98A79E

 23A754

 A9A7A8

 13A749

 B9A7B3

 02A73F

 CAA7BD

 00A73E

 DBA7C8

 ECA7D2

 FCA7DD

# Harmonies

## Analogous

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



8AA167



66A77E



3FA99C

# Triad

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



66A77E



759BD4



D2867A

# Complementary

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



66A77E



A7668F

# 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.



D28297



66A77E



A290CB

# Square

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



66A77E



43A3CE



C287B4



C38E65

# Rectangle

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



66A77E



28A9B0



C287B4



D48483



# Sweetspot

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



66A77E



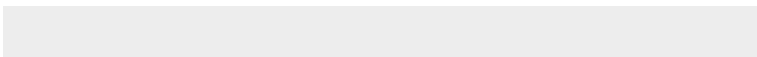
BFD9C8



8FA766



5E6E64



EDEDED



6E6E6E



# Same Dimension

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



66A77E



73D998



66A79E



4C544F



009437



001408



# Inverse Universe

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



A7668F



D973B3



A7666F



544C51



94005D

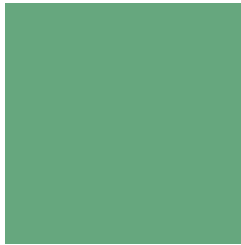


14000D



# Previews

## White Background



This preview shows how the Hex color 66A77E looks on a white background.

## Color Contrast Check

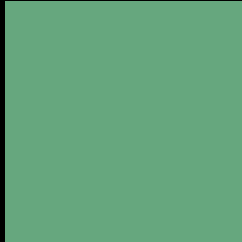
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 66A77E 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 66A77E Background



This preview shows how black text looks on a background with the Hex color 66A77E.



This preview shows how white text looks on a background with the Hex color 66A77E.

# 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**

66A77E

**Protanopia**



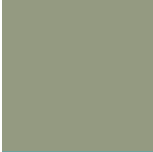

A39877

**Deuteranopia**


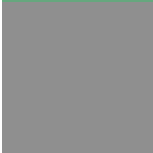

AF9382



# Trichromacy

|   |                                 |
|---|---------------------------------|
|  | <b>Original Color</b><br>66A77E |
|  | <b>Protanomaly</b><br>8D9D7A    |
|  | <b>Deuteranomaly</b><br>949A81  |
|  | <b>Tritanomaly</b><br>6CA39D    |

# Monochromacy

|   |                                 |
|---|---------------------------------|
|   | <b>Original Color</b><br>66A77E |
|  | <b>Achromatopsia</b><br>8F8F8F  |
|  | <b>Achromatomaly</b><br>809889  |

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 66A77E 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 #66A77E looks like.

```
.text, #text, p{  
    color:#66A77E  
}
```

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 #66A77E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #66A77E
}
```

## Border

The CSS property to change the border of an element to Hex 66A77E 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
#66A77E }
```

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

```
.border{ border-color:#66A77E }
```

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

Here you see how a box with a 4 pixel #66A77E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #66A77E; -webkit-box-shadow:4px 4px  
4px 4px #66A77E; box-shadow:4px 4px 4px  
4px #66A77E }
```

# Background

The CSS property to change the background color of an element to Hex 66A77E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#66A77E }
```

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

```
.background{ background-color:#66A77E }
```

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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