

# Converting Colors

Hex(587E49)

Have a look what the booklet for  
Hex(587E49) contains.

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# Color

Hex(587E49)

# Conversions

## Conversions Part 1

Format	Color
Hex	587E49
RGB	88, 126, 73
RGB Percent	35%, 49%, 29%
CMY	0.6549, 0.5059, 0.7137
CMYK	0.30, 0.00, 0.42, 0.51
HSL	103°, 27%, 39%
HSV	103°, 42%, 49%
XYZ	12.6880, 17.4775, 9.0081
YIQ	108.5960, -5.6350, -24.5390

# Conversions

## Conversions Part 2

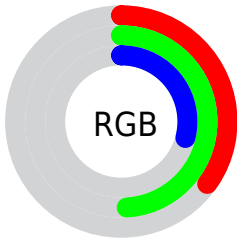
<b>Format</b>	<b>Color</b>
<b>RYB</b>	73, 126, 111
Decimal	5799497
CIELab	48.86, -24.01, 24.67
CIELCh	49, 34.431, 134.225
Yxy	17.4775, 0.3239, 0.4462
Android (android.graphics.Color)	4283989577 (0xFF587E49)
YUV	108.5960, -17.5488, -18.0627
Hunter-Lab	41.8060, -18.9866, 16.4888

# Details

The Hex color **587E49** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **6F497E**, and the grayscale version is **6D6D6D**.

A 20% lighter version of the original color is **8BB37A**, and **284D1B** is the 20% darker color. If you saturate the color by 10%, you get **4F7E3C**, and if you desaturate by 10%, it is **617E56**.

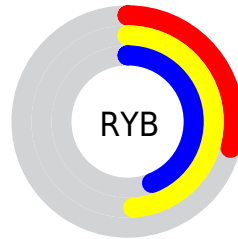
# Distribution



Red (35%)

Green (49%)

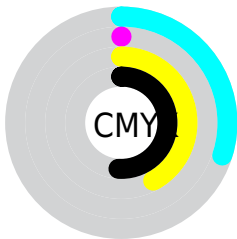
Blue (29%)



Red (29%)

Yellow (49%)

Blue (44%)

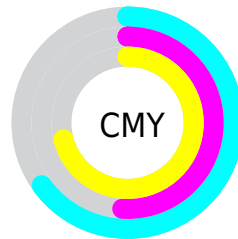


Cyan (30%)

Magenta (0%)

Yellow (42%)

Black (51%)



Cyan (65%)

Magenta (51%)

Yellow (71%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 587E49 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 587E49 by changing the saturation by 10% instead.





587E49



587E49

FFFFFF



3F6532



8BB37A



284D1B



A6CF94



103604



C2EBAF



002100



DEFFCB



000000



FBF FE7



587E49



587E49



4F7E3C



617E56



467E30



6A7E62

 3D7E23

 737E6F

 347E17

 7C7E7B

 2B7E0A

 857E88

 247E00

 8E7E95

 977EA1

 A07EAE

 A97EBA

# Harmonies

## Analogous

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



78773A



587E49



2E8263

# Triad

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



587E49



1B7BAC



AC5D67

# Complementary

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



587E49



6F497E

# 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.



A35E85



587E49



5E72AC

# Square

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



587E49



00819C



88679E



A6634D

# Rectangle

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



587E49



008377



88679E



AB5C71



# Sweetspot

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



587E49



94A38E



7E6F49



485245



D1D1D1



525252



# Same Dimension

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



587E49



69A352



497E54



3B4039



248000



000000



# Inverse Universe

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



6F497E



8C52A3



7E4973



3E3940



5B0080



000000



# Previews

## White Background



This preview shows how the Hex color 587E49 looks on a white background.

## Color Contrast Check

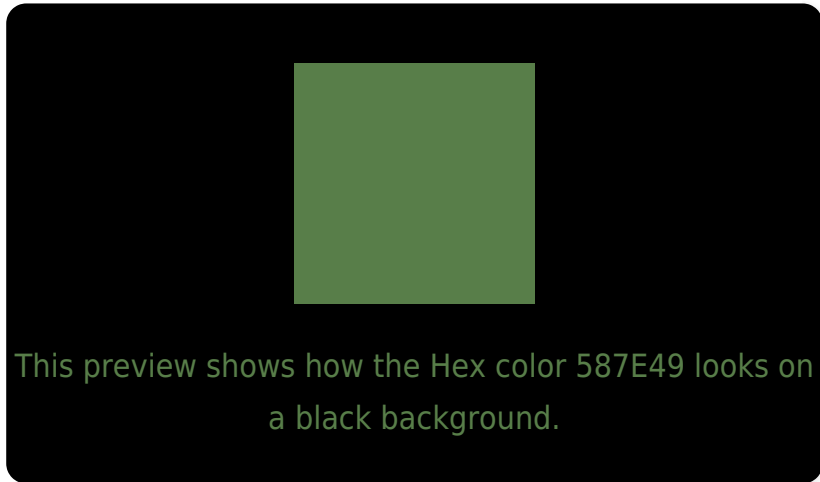
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

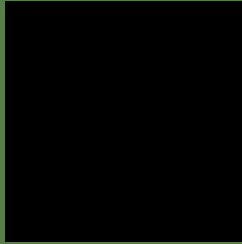
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 587E49 Background



This preview shows how black text looks on a background with the Hex color 587E49.



This preview shows how white text looks on a background with the Hex color 587E49.

# 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**  
587E49

**Protanopia**  
7F7445

**Deuteranopia**  
8B6F4D



**Tritanopia**  
617781

# Trichromacy



**Original Color**  
587E49

**Protanomaly**  
717846

**Deuteranomaly**  
78744C

**Tritanomaly**  
5E7A6D

# Monochromacy



**Original Color**  
587E49

**Achromatopsia**  
6D6D6D

**Achromatomaly**  
657360

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 587E49 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 #587E49 looks like.

```
.text, #text, p{  
    color:#587E49  
}
```

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 #587E49 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #587E49
}
```

## Border

The CSS property to change the border of an element to Hex 587E49 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
#587E49 }
```

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

```
.border{ border-color:#587E49 }
```

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

Here you see how a box with a 4 pixel #587E49 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #587E49; -webkit-box-shadow:4px 4px  
4px 4px #587E49; box-shadow:4px 4px 4px  
4px #587E49 }
```

# Background

The CSS property to change the background color of an element to Hex 587E49 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#587E49 }
```

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

```
.background{ background-color:#587E49 }
```

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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