

# Converting Colors

Hex(68836A)

Have a look what the booklet for  
Hex(68836A) contains.

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# Color

Hex(68836A)

# Conversions

## Conversions Part 1

Format	Color
Hex	68836A
RGB	104, 131, 106
RGB Percent	41%, 51%, 42%
CMY	0.5922, 0.4863, 0.5843
CMYK	0.21, 0.00, 0.19, 0.49
HSL	124°, 11%, 46%
HSV	124°, 21%, 51%
XYZ	16.4267, 20.2163, 16.6720
YIQ	120.0770, -8.0670, -13.4990

# Conversions

## Conversions Part 2

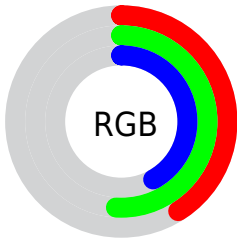
<b>Format</b>	<b>Color</b>
<b>RYB</b>	104, 129, 131
Decimal	6849386
CIELab	52.08, -14.94, 10.38
CIElCh	52, 18.195, 145.203
Yxy	20.2163, 0.3081, 0.3792
Android (android.graphics.Color)	4285039466 (0xFF68836A)
YUV	120.0770, -6.9400, -14.0995
Hunter-Lab	44.9625, -13.4706, 9.4891

# Details

The Hex color **68836A** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **836881**, and the grayscale version is **787878**.

A 20% lighter version of the original color is **9CB89D**, and **38523B** is the 20% darker color. If you saturate the color by 10%, you get **5B835E**, and if you desaturate by 10%, it is **758376**.

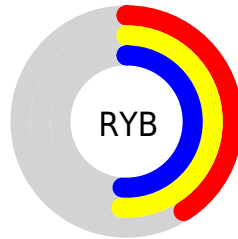
# Distribution



Red (41%)

Green (51%)

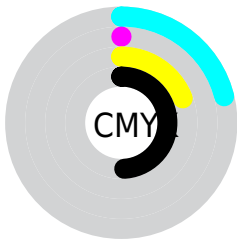
Blue (42%)



Red (41%)

Yellow (51%)

Blue (51%)

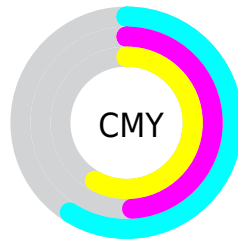


Cyan (21%)

Magenta (0%)

Yellow (19%)

Black (49%)



Cyan (59%)

Magenta (49%)

Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 68836A 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 68836A by changing the saturation by 10% instead.





68836A



68836A

FFFFFF



506A52



9CB89D



38523B



B7D4B8



223A25



D2F0D4



0D2510



FFFFFF0



000E00



000000



68836A



68836A



5B835E



758376



4E8352



828382

 418346

 8F838E

 348339

 9C839B

 27832D

 AA83A7

 198321

 B783B3

 0C8315

 C483BF

 00830A

 D183CB

 DE83D7

# Harmonies

## Analogous

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



7A7F60



68836A



588579

# Triad

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



68836A



667E9B



9C7270

# Complementary

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



68836A



836881

# 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.



99717F



68836A



7C7998

# Square

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



68836A



558395



8E748E



977563

# Rectangle

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



68836A



518584



8E748E



9C7175



# Sweetspot

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



68836A



A1ABA1



818368



515751



D6D6D6



575757



# Same Dimension

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



68836A



80AB83



688377



3C423C



00820A



000300



# Inverse Universe

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



836881



AB80A8



836874



423C42



820078



030002



# Previews

## White Background



This preview shows how the Hex color 68836A looks on a white background.

## Color Contrast Check

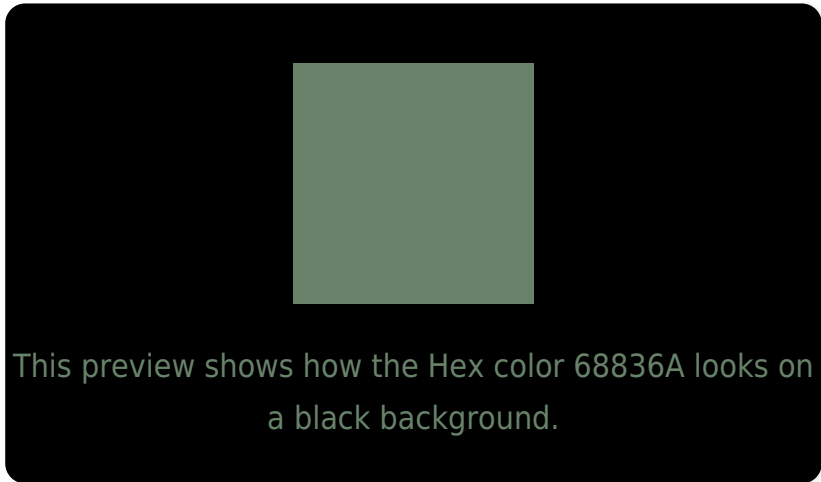
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

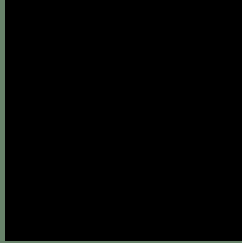
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 68836A Background



This preview shows how black text looks on a background with the Hex color 68836A.



This preview shows how white text looks on a background with the Hex color 68836A.

# 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**  
68836A

**Protanopia**  
837C66

**Deuteranopia**  
8D776C



**Tritanopia**  
6D7F89

# Trichromacy



**Original Color**  
68836A

**Protanomaly**  
797F67

**Deuteranomaly**  
807B6B

**Tritanomaly**  
6B807E

# Monochromacy



**Original Color**  
68836A

**Achromatopsia**  
787878

**Achromatomaly**  
727C73

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 68836A 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 #68836A looks like.

```
.text, #text, p{  
    color:#68836A  
}
```

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 #68836A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #68836A
}
```

## Border

The CSS property to change the border of an element to Hex 68836A 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
#68836A }
```

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

```
.border{ border-color:#68836A }
```

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

Here you see how a box with a 4 pixel #68836A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #68836A; -webkit-box-shadow:4px 4px  
4px 4px #68836A; box-shadow:4px 4px 4px  
4px #68836A }
```

# Background

The CSS property to change the background color of an element to Hex 68836A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#68836A }
```

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

```
.background{ background-color:#68836A }
```

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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