

# Converting Colors

Hex(76836B)

Have a look what the booklet for  
Hex(76836B) contains.

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# Color

Hex(76836B)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	76836B
RGB	118, 131, 107
RGB Percent	46%, 51%, 42%
CMY	0.5373, 0.4863, 0.5804
CMYK	0.10, 0.00, 0.18, 0.49
HSL	92°, 10%, 47%
HSV	92°, 18%, 51%
XYZ	18.2414, 21.1457, 17.0300
YIQ	124.3770, -0.0440, -10.2200

# Conversions

## Conversions Part 2

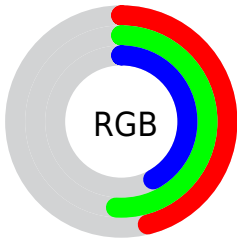
<b>Format</b>	<b>Color</b>
<b>RYB</b>	107, 131, 120
Decimal	7766891
CIELab	53.11, -9.47, 11.39
CIELCh	53, 14.818, 129.736
Yxy	21.1457, 0.3233, 0.3748
Android (android.graphics.Color)	4285956971 (0xFF76836B)
YUV	124.3770, -8.5669, -5.5926
Hunter-Lab	45.9844, -9.6644, 10.2315

# Details

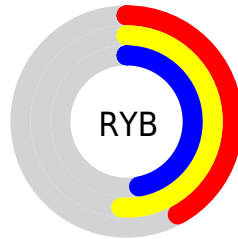
The Hex color **76836B** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **786B83**, and the grayscale version is **7C7C7C**.

A 20% lighter version of the original color is **AAB89E**, and **46523C** is the 20% darker color. If you saturate the color by 10%, you get **6F835E**, and if you desaturate by 10%, it is **7D8378**.

# Distribution



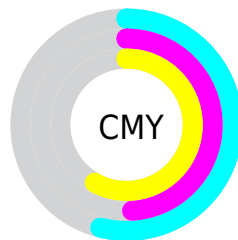
- Red (46%)
- Green (51%)
- Blue (42%)



- Red (42%)
- Yellow (51%)
- Blue (47%)



- Cyan (10%)
- Magenta (0%)
- Yellow (18%)
- Black (49%)



- Cyan (54%)
- Magenta (49%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 76836B 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 76836B by changing the saturation by 10% instead.





76836B



76836B

FFFFFF



5D6A53



AAB89E



46523C



C6D4B9



2F3B26



E2F0D5



1A2511



FEFFF1



001100



000000



76836B



76836B



6F835E



7D8378



688351



848385

■ 618344

■ 8B8392

■ 5A8337

■ 92839F

■ 53832A

■ 9983AD

■ 4B831C

■ A183BA

■ 44830F

■ A883C7

■ 3D8302

■ AF83D4

■ 3C8300

■ B683E1

# Harmonies

## Analogous

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



847F66



76836B



688576

# Triad

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



76836B



668396



99767B

# Complementary

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



76836B



786B83

# 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.



937788



76836B



767F98

# Square

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



76836B



5D858F



867A92



98786F

# Rectangle

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



76836B



61867E



867A92



98767F



# Sweetspot

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



76836B



A6ABA2



83786B



545751



D6D6D6



575757



# Same Dimension

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



76836B



96AB85



6B836C



3F423C



3C8200



010300



# Inverse Universe

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



786B83



9A85AB



836B82



3F3C42



460082



010003



# Previews

## White Background



This preview shows how the Hex color 76836B looks on a white background.

## Color Contrast Check

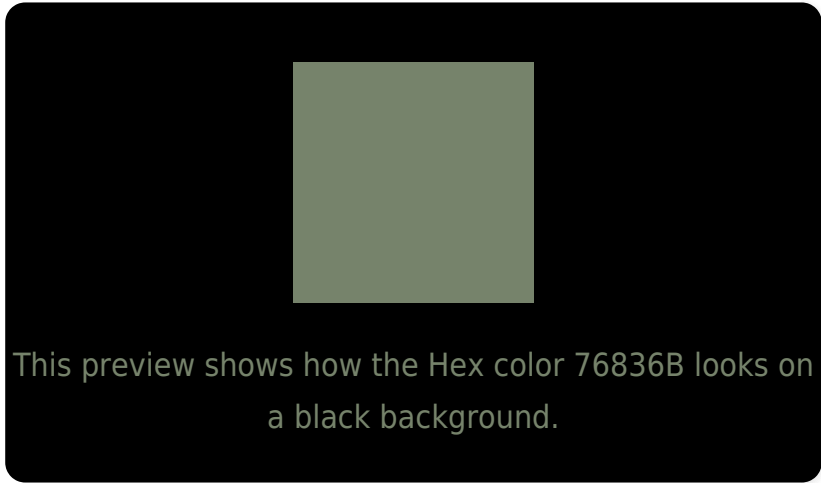
Large Text (above 18pt) WCAG AA ✓ Pass

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

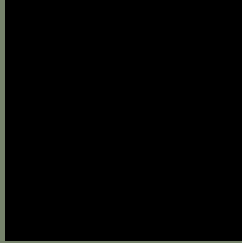
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

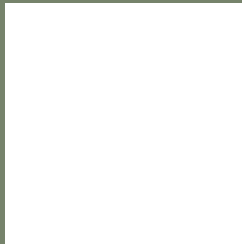
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 76836B Background



This preview shows how black text looks on a background with the Hex color 76836B.



This preview shows how white text looks on a background with the Hex color 76836B.

# 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**  
76836B

**Protanopia**  
867E69

**Deuteranopia**  
917A6D



**Tritanopia**  
7B7F89

# Trichromacy



**Original Color**  
76836B

**Protanomaly**  
80806A

**Deuteranomaly**  
877D6C

**Tritanomaly**  
79807E

# Monochromacy



**Original Color**  
76836B

**Achromatopsia**  
7C7C7C

**Achromatomaly**  
7A7F76

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 76836B 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 #76836B looks like.

```
.text, #text, p{  
    color:#76836B  
}
```

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 #76836B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #76836B
}
```

## Border

The CSS property to change the border of an element to Hex 76836B 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
#76836B }
```

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

```
.border{ border-color:#76836B }
```

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

Here you see how a box with a 4 pixel #76836B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #76836B; -webkit-box-shadow:4px 4px  
4px 4px #76836B; box-shadow:4px 4px 4px  
4px #76836B }
```

# Background

The CSS property to change the background color of an element to Hex 76836B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#76836B }
```

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

```
.background{ background-color:#76836B }
```

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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