

# Converting Colors

Hex(676D77)

Have a look what the booklet for  
Hex(676D77) contains.

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# Color

**Hex(676D77)**

# Conversions

## Conversions Part 1

Format	Color
Hex	676D77
RGB	103, 109, 119
RGB Percent	40%, 43%, 47%
CMY	0.5961, 0.5725, 0.5333
CMYK	0.13, 0.08, 0.00, 0.53
HSL	218°, 7%, 44%
HSV	218°, 13%, 47%
XYZ	14.3919, 15.1528, 19.6190
YIQ	108.3460, -6.7860, 1.8380

# Conversions

## Conversions Part 2

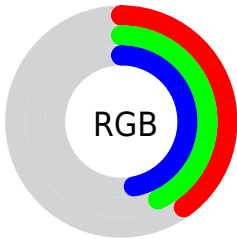
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	103, 107, 119
Decimal	6778231
CIE Lab	45.84, -0.06, -6.34
CIE LCh	46, 6.338, 269.425
Yxy	15.1528, 0.2927, 0.3082
Android (android.graphics.Color)	4284968311 (0xFF676D77)
YUV	108.3460, 5.2524, -4.6884
Hunter-Lab	38.9265, -2.1264, -2.6336

# Details

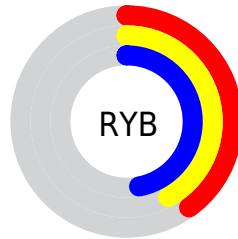
The Hex color **676D77** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **777167**, and the grayscale version is **6C6C6C**.

A 20% lighter version of the original color is **9AA0AB**, and **383E47** is the 20% darker color. If you saturate the color by 10%, you get **5B6677**, and if you desaturate by 10%, it is **737477**.

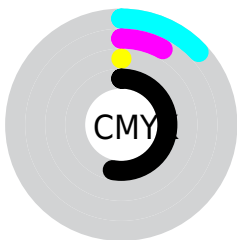
# Distribution



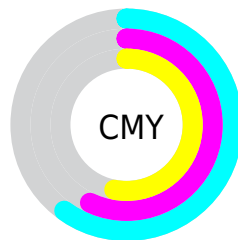
- Red (40%)
- Green (43%)
- Blue (47%)



- Red (40%)
- Yellow (42%)
- Blue (47%)



- Cyan (13%)
- Magenta (8%)
- Yellow (0%)
- Black (53%)



- Cyan (60%)
- Magenta (57%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 676D77 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 676D77 by changing the saturation by 10% instead.





676D77



676D77

FFFFFF



4F555E



9AA0AB



383E47



B5BBC6



222830



D1D7E2



0D131B



EDF4FF



000000



676D77



676D77



5B6677



737477



4F5E77



7F7C77



435777



8B8377

■ 374F77

■ 978B77

■ 2C4877

■ A39277

■ 204077

■ AE9A77

■ 143977

■ BAA177

■ 083177

■ C6A977

■ 002D77

■ D2B077

# Harmonies

## Analogous

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



626F75



676D77



6E6B76

# Triad

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



676D77



786968



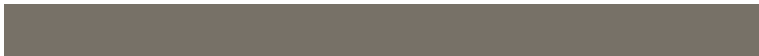
656F67

# Complementary

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



676D77



777167

# 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.



6B6E63



676D77



766A64

# Square

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



676D77



77696D



716C62



61706C

# Rectangle

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



676D77



726A73



716C62



676F66



# Sweetspot

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



676D77



95989C



677771



4B4D4F



CFCFCF



4F4F4F



# Same Dimension

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



676D77



838C9C



696777



35373B



002E7A



005EFA



# Inverse Universe

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



77676D



9C838C



757767



3B3537



7A002E



FA005E



# Previews

## White Background



This preview shows how the Hex color 676D77 looks on a white background.

## Color Contrast Check

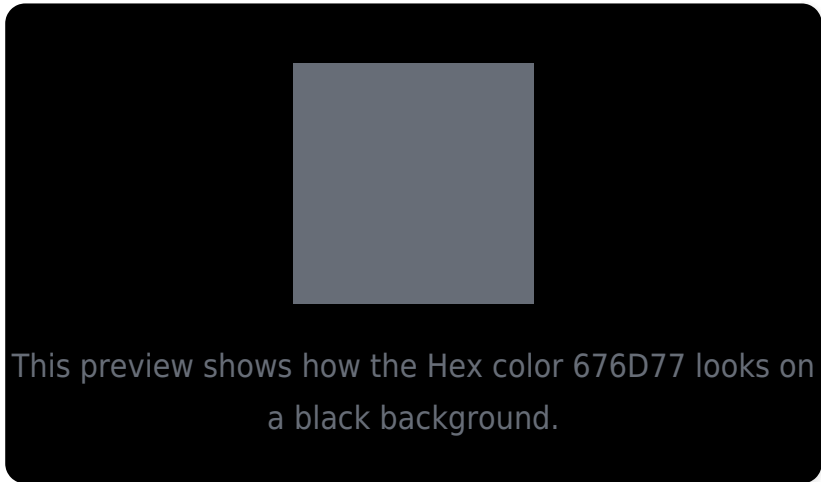
Large Text (above 18pt) WCAG AA ✓ Pass

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 × Fail

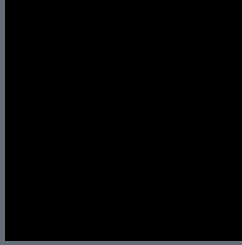
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

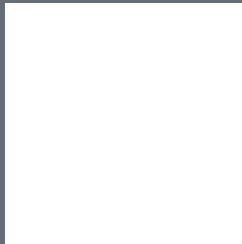
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 676D77 Background



This preview shows how black text looks on a background with the Hex color 676D77.



This preview shows how white text looks on a background with the Hex color 676D77.

# 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**  
676D77

**Protanopia**  
6C6C76

**Deuteranopia**  
726978



**Tritanopia**  
676D76

# Trichromacy



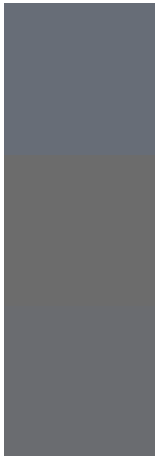
**Original Color**  
676D77

**Protanomaly**  
6A6C76

**Deuteranomaly**  
6E6A78

**Tritanomaly**  
676D76

# Monochromacy



**Original Color**  
676D77

**Achromatopsia**  
6C6C6C

**Achromatomaly**  
6A6C70

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 676D77 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 #676D77 looks like.

```
.text, #text, p{  
    color:#676D77  
}
```

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 #676D77 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #676D77  
}
```

## Border

The CSS property to change the border of an element to Hex 676D77 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  
#676D77 }
```

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

```
.border{ border-color:#676D77 }
```

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

Here you see how a box with a 4 pixel #676D77 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #676D77; -webkit-box-shadow:4px 4px  
4px 4px #676D77; box-shadow:4px 4px 4px  
4px #676D77 }
```

# Background

The CSS property to change the background color of an element to Hex 676D77 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#676D77 }
```

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

```
.background{ background-color:#676D77 }
```

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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