

# Converting Colors

Hex(66706A)

Have a look what the booklet for  
Hex(66706A) contains.

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# Color

Hex(66706A)

# Conversions

## Conversions Part 1

Format	Color
Hex	66706A
RGB	102, 112, 106
RGB Percent	40%, 44%, 42%
CMY	0.6000, 0.5608, 0.5843
CMYK	0.09, 0.00, 0.05, 0.56
HSL	144°, 5%, 42%
HSV	144°, 9%, 44%
XYZ	13.8752, 15.4537, 15.8872
YIQ	108.3260, -4.0340, -3.9860

# Conversions

## Conversions Part 2

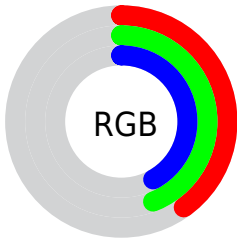
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	102, 109, 112
Decimal	6713450
CIE Lab	46.25, -5.05, 2.04
CIE LCh	46, 5.441, 158.031
Yxy	15.4537, 0.3069, 0.3418
Android (android.graphics.Color)	4284903530 (0xFF66706A)
YUV	108.3260, -1.1467, -5.5479
Hunter-Lab	39.3112, -5.7918, 3.5564

# Details

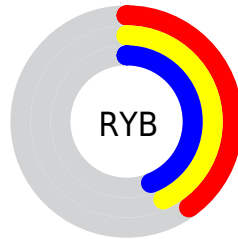
The Hex color **66706A** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **70666C**, and the grayscale version is **6C6C6C**.

A 20% lighter version of the original color is **99A49D**, and **37403B** is the 20% darker color. If you saturate the color by 10%, you get **5B7063**, and if you desaturate by 10%, it is **717071**.

# Distribution



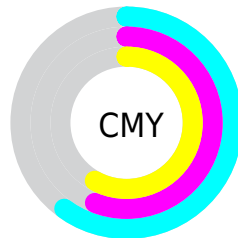
- Red (40%)
- Green (44%)
- Blue (42%)



- Red (40%)
- Yellow (43%)
- Blue (44%)



- Cyan (9%)
- Magenta (0%)
- Yellow (5%)
- Black (56%)



- Cyan (60%)
- Magenta (56%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 66706A 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 66706A by changing the saturation by 10% instead.





66706A



66706A

FFFFFF



4E5852



99A49D



37403B



B4BFB8



222A25



CFDBD4



0C1610



ECF7F0



000000



66706A



66706A



5B7063



717071



50705D



7C7077



447056



88707E

■ 39704F

■ 937085

■ 2E7048

■ 9E708C

■ 237042

■ A97092

■ 18703B

■ B47099

■ 0C7034

■ C070A0

■ 01702E

■ CB70A6

# Harmonies

## Analogous

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



6B6F66



66706A



63706F

# Triad

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



66706A



6A6E76



776B68

# Complementary

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



66706A



70666C

# 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.



776B6C



66706A



706C75

# Square

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



66706A



656F76



756B71



756C65

# Rectangle

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



66706A



627072



756B71



786B69



# Sweetspot

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



66706A



8D918F



6C7066



474A48



C9C9C9



4A4A4A



# Same Dimension

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



66706A



819188



66706F



323835



007830



00F763



# Inverse Universe

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



70666C



91818B



706667



383236



780048



F70094



# Previews

## White Background



This preview shows how the Hex color 66706A looks on a white background.

## Color Contrast Check

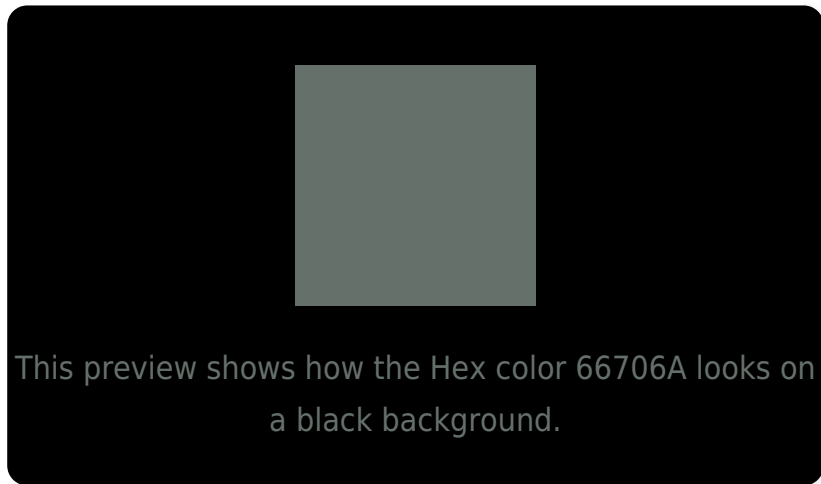
Large Text (above 18pt) WCAG AA ✓ Pass

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

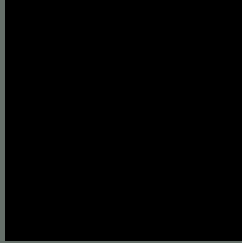
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

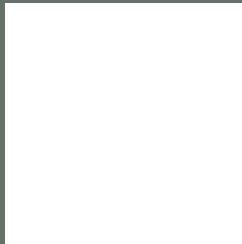
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 66706A Background



This preview shows how black text looks on a background with the Hex color 66706A.

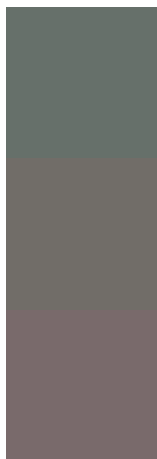


This preview shows how white text looks on a background with the Hex color 66706A.

# 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**  
66706A

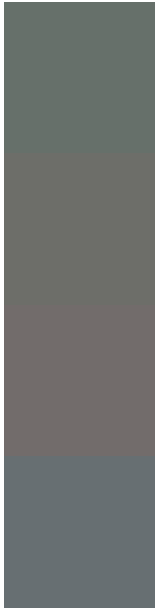
**Protanopia**  
716D68

**Deuteranopia**  
796A6B



**Tritanopia**  
686E77

# Trichromacy



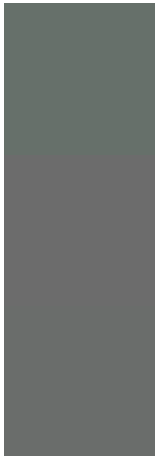
**Original Color**  
66706A

**Protanomaly**  
6D6E69

**Deuteranomaly**  
726C6B

**Tritanomaly**  
676F72

# Monochromacy



**Original Color**  
66706A

**Achromatopsia**  
6C6C6C

**Achromatomaly**  
6A6D6B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 66706A 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 #66706A looks like.

```
.text, #text, p{  
    color:#66706A  
}
```

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 #66706A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #66706A
}
```

## Border

The CSS property to change the border of an element to Hex 66706A 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
#66706A }
```

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

```
.border{ border-color:#66706A }
```

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

Here you see how a box with a 4 pixel #66706A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #66706A; -webkit-box-shadow:4px 4px  
4px 4px #66706A; box-shadow:4px 4px 4px  
4px #66706A }
```

# Background

The CSS property to change the background color of an element to Hex 66706A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#66706A }
```

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

```
.background{ background-color:#66706A }
```

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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