

# Converting Colors

Hex(707677)

Have a look what the booklet for  
Hex(707677) contains.

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# Color

**Hex(707677)**

# Conversions

## Conversions Part 1

Format	Color
Hex	707677
RGB	112, 118, 119
RGB Percent	44%, 46%, 47%
CMY	0.5608, 0.5373, 0.5333
CMYK	0.06, 0.01, 0.00, 0.53
HSL	189°, 3%, 45%
HSV	189°, 6%, 47%
XYZ	16.4903, 17.7335, 20.0065
YIQ	116.3200, -3.8970, -0.9610

# Conversions

## Conversions Part 2

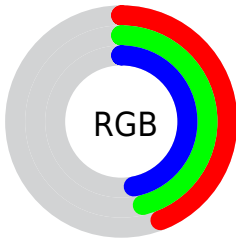
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	112, 115, 119
Decimal	7370359
CIE <sub>Lab</sub>	49.17, -2.04, -1.34
CIE <sub>LCh</sub>	49, 2.441, 213.226
Yxy	17.7335, 0.3041, 0.3270
Android (android.graphics.Color)	4285560439 (0xFF707677)
YUV	116.3200, 1.3212, -3.7886
Hunter-Lab	42.1112, -3.7959, 1.3098

# Details

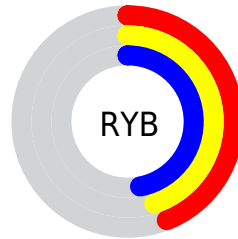
The Hex color **707677** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **777170**, and the grayscale version is **747474**.

A 20% lighter version of the original color is **A4AAAB**, and **404647** is the 20% darker color. If you saturate the color by 10%, you get **647477**, and if you desaturate by 10%, it is **7C7877**.

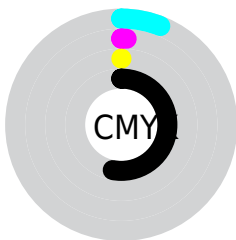
# Distribution



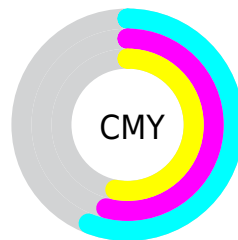
- Red (44%)
- Green (46%)
- Blue (47%)



- Red (44%)
- Yellow (45%)
- Blue (47%)



- Cyan (6%)
- Magenta (1%)
- Yellow (0%)
- Black (53%)



- Cyan (56%)
- Magenta (54%)
- Yellow (53%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 707677 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 707677 by changing the saturation by 10% instead.



■ 707677

■ 707677

FFFFFF

■ 585D5E

■ A4AAAB

■ 404647

■ BFC5C6

■ 2A2F30

■ DBE1E2

■ 161B1C

■ F7FEFF

■ 000000

■ 707677

■ 707677

■ 647477

■ 7C7877

■ 587377

■ 887977

■ 4C7177

■ 947B77

■ 406F77

■ A07D77

■ 346E77

■ AB7E77

■ 296C77

■ B78077

■ 1D6A77

■ C38277

■ 116877

■ CF8477

■ 056777

■ DB8577

# Harmonies

## Analogous

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



707675



707677



717678

# Triad

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



707677



787477



767571

# Complementary

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



707677



777170

# 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.



787471



707677



797375

# Square

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



707677



767478



797473



747571

# Rectangle

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



707677



727579



797473



777571



# Sweetspot

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



707677



989B9C



707771



4D4F4F



CFCFCF



4F4F4F



# Same Dimension

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



707677



919A9C



707377



363A3B



00697A



00D6FA



# Inverse Universe

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



777076



9C919A



777470



3B363A



7A0069



FA00D6



# Previews

## White Background



This preview shows how the Hex color 707677 looks on a white background.

## Color Contrast Check

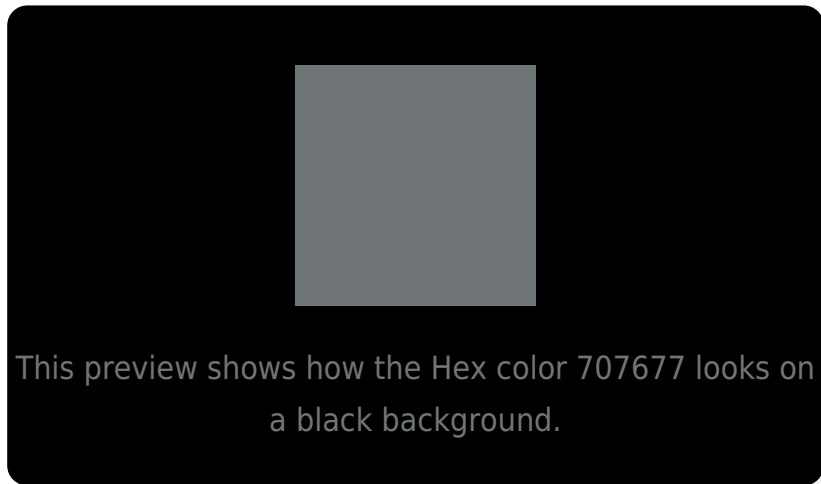
Large Text (above 18pt) WCAG AA ✓ Pass

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

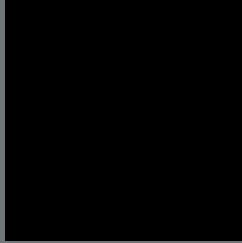
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

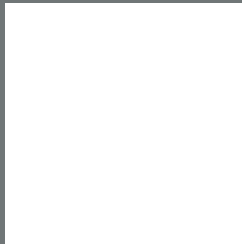
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 707677 Background



This preview shows how black text looks on a background with the Hex color 707677.



This preview shows how white text looks on a background with the Hex color 707677.

# 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**  
707677

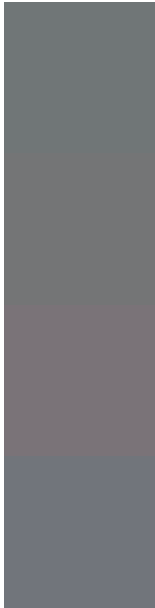
**Protanopia**  
767476

**Deuteranopia**  
7F7178



**Tritanopia**  
71757E

# Trichromacy



**Original Color**  
70677

**Protanomaly**  
747576

**Deuteranomaly**  
7A7378

**Tritanomaly**  
71757B

# Monochromacy



**Original Color**  
70677

**Achromatopsia**  
747474

**Achromatomaly**  
737575

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 707677 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 #707677 looks like.

```
.text, #text, p{  
  color:#707677  
}
```

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 #707677 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #707677  
}
```

## Border

The CSS property to change the border of an element to Hex 707677 is called "border". The border property can be set on classes, ids or directly on the HTML element.

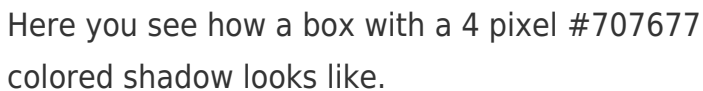
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid  
#707677 }
```

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

```
.border{ border-color:#707677 }
```

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



Here you see how a box with a 4 pixel `#707677` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #707677; -webkit-box-shadow:4px 4px  
4px 4px #707677; box-shadow:4px 4px 4px  
4px #707677 }
```

# Background

The CSS property to change the background color of an element to Hex 707677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#707677 }
```

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

```
.background{ background-color:#707677 }
```

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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