

# Converting Colors

Hex(787777)

Have a look what the booklet for  
Hex(787777) contains.

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# Color

**Hex(787777)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	787777
RGB	120, 119, 119
RGB Percent	47%, 47%, 47%
CMY	0.5294, 0.5333, 0.5333
CMYK	0.00, 0.01, 0.01, 0.53
HSL	0°, 0%, 47%
HSV	0°, 1%, 47%
XYZ	17.6723, 18.5186, 20.0958
YIQ	119.2990, 0.5960, 0.2120

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	120, 119, 119
Decimal	7894903
CIE Lab	50.12, 0.38, 0.13
CIE LCh	50, 0.403, 18.515
Yxy	18.5186, 0.3140, 0.3290
Android (android.graphics.Color)	4286084983 (0xFF787777)
YUV	119.2990, -0.1474, 0.6148
Hunter-Lab	43.0333, -2.0043, 2.4359

# Details

The Hex color **787777** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **777878**, and the grayscale version is **777777**.

A 20% lighter version of the original color is **ACABAB**, and **484747** is the 20% darker color. If you saturate the color by 10%, you get **786B6B**, and if you desaturate by 10%, it is **788383**.

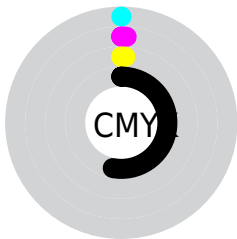
# Distribution



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



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



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



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

# Brightness & Saturation Gradients

These gradients show how the Hex color 787777 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 787777 by changing the saturation by 10% instead.



■ 787777

■ 787777

FFFFFF

■ 5F5E5E

■ ACABAB

■ 484747

■ C8C6C6

■ 313030

■ E4E2E2

■ 1C1C1C

■ 020000

■ 000000

■ 787777

■ 787777

■ 786B6B

■ 788383

■ 785F5F

■ 788F8F

 785353

 789B9B

 784747

 78A7A7

 783B3B

 78B3B3

 782F2F

 78BFBF

 782323

 78CBCB

 781717

 78D7D7

 780B0B

 78E3E3

# Harmonies

# Triad

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



*787777*



*777777*



*777778*

# Complementary

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



787777



777878

# 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.



767778



787777



777777

# Square

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



*787777*



*777777*



*767777*



*777778*

# Rectangle

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



*787777*



*767777*



*777778*



# Sweetspot

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



787777



9C9C9C



787778



4F4F4F



CFCFCF

# Same Dimension

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



787777



9C9A9A



3D3D3D



7D0000



FC0000

# Inverse Universe

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



777878



9A9C9C



777778



3D3D3D



007D7D



00FCFC



# Previews

## White Background



This preview shows how the Hex color 787777 looks on a white background.

## Color Contrast Check

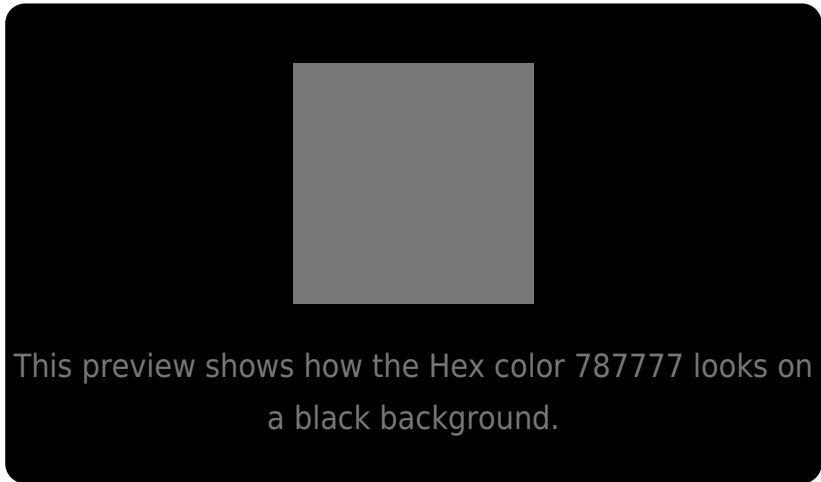
Large Text (above 18pt) WCAG AA ✓ Pass

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

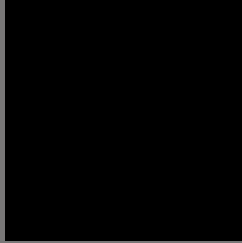
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

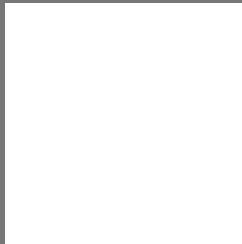
Any Text WCAG AAA × Fail

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

## Hex 787777 Background



This preview shows how black text looks on a background with the Hex color 787777.



This preview shows how white text looks on a background with the Hex color 787777.

# 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**  
787777

**Protanopia**  
797777

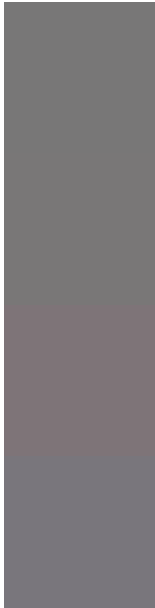
**Deuteranopia**  
827378





**Tritanopia**  
79767F

# Trichromacy



**Original Color**

787777

**Protanomaly**

797777

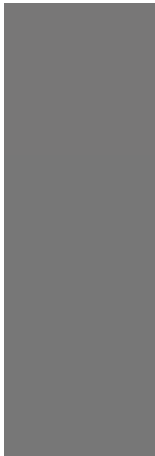
**Deuteranomaly**

7E7478

**Tritanomaly**

79767C

# Monochromacy



**Original Color**

787777

**Achromatopsia**

777777

**Achromatomaly**

777777

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 787777 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 #787777 looks like.

```
.text, #text, p{  
    color:#787777  
}
```

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 #787777 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #787777
}
```

## Border

The CSS property to change the border of an element to Hex 787777 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
#787777 }
```

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

```
.border{ border-color:#787777 }
```

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

Here you see how a box with a 4 pixel #787777 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #787777; -webkit-box-shadow:4px 4px  
4px 4px #787777; box-shadow:4px 4px 4px  
4px #787777 }
```

# Background

The CSS property to change the background color of an element to Hex 787777 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#787777 }
```

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

```
.background{ background-color:#787777 }
```

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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