

# Converting Colors

Hex(7B7676)

Have a look what the booklet for  
Hex(7B7676) contains.

<b>Hex(7B7676)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

Hex(7B7676)

# Conversions

## Conversions Part 1

Format	Color
Hex	7B7676
RGB	123, 118, 118
RGB Percent	48%, 46%, 46%
CMY	0.5176, 0.5373, 0.5373
CMYK	0.00, 0.04, 0.04, 0.52
HSL	0°, 2%, 47%
HSV	0°, 4%, 48%
XYZ	17.9168, 18.4758, 19.7614
YIQ	119.4950, 2.9800, 1.0600

# Conversions

## Conversions Part 2

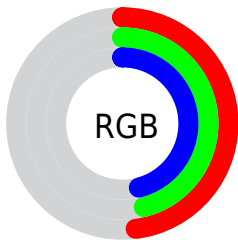
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	123, 118, 118
Decimal	8091254
CIE Lab	50.07, 1.91, 0.68
CIE LCh	50, 2.028, 19.450
Yxy	18.4758, 0.3191, 0.3290
Android (android.graphics.Color)	4286281334 (0xFF7B7676)
YUV	119.4950, -0.7370, 3.0739
Hunter-Lab	42.9835, -0.8170, 2.8302

# Details

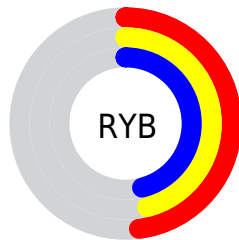
The Hex color **7B7676** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **767B7B**, and the grayscale version is **777777**.

A 20% lighter version of the original color is **AFAAAA**, and **4A4646** is the 20% darker color. If you saturate the color by 10%, you get **7B6A6A**, and if you desaturate by 10%, it is **7B8282**.

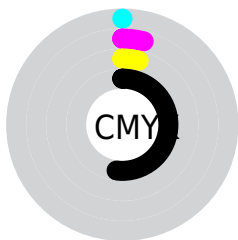
# Distribution



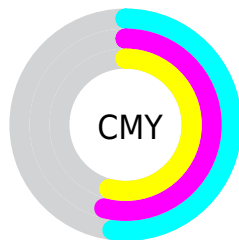
- Red (48%)
- Green (46%)
- Blue (46%)



- Red (48%)
- Yellow (46%)
- Blue (46%)



- Cyan (0%)
- Magenta (4%)
- Yellow (4%)
- Black (52%)



- Cyan (52%)
- Magenta (54%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7B7676 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 7B7676 by changing the saturation by 10% instead.



■ 7B7676

■ 7B7676

FFFFFF

■ 625D5D

■ AFAAAA

■ 4A4646

■ CBC5C5

■ 342F30

■ E7E1E1

■ 1F1B1B

FFFEFE

■ 050000

■ 000000

■ 7B7676

■ 7B7676

■ 7B6A6A

■ 7B8282

■ 7B5D5D

■ 7B8F8F

 7B5151

 7B9B9B

 7B4545

 7BA7A7

 7B3939

 7BB4B4

 7B2C2C

 7BC0C0

 7B2020

 7BCCCC

 7B1414

 7BD8D8

 7B0707

 7BE5E5

# Harmonies

## Analogous

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



7A7678



7B7676



7B7675

# Triad

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



7B7676



757875



75777A

# Complementary

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



7B7676



767B7B

# 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.



73787A



7B7676



747876

# Square

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



7B7676



777774



737878



77777A

# Rectangle

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



7B7676



7A7774



737878



74787A



# Sweetspot

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



7B7676



A19F9F



7B767B



525151



D1D1D1



525252



# Same Dimension

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



7B7676



A19999



7B7976



3D3A3A



7D0000



FC0000



# Inverse Universe

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



767B7B



99A1A1



76797B



3A3D3D



007D7D



00FCFC



# Previews

## White Background



This preview shows how the Hex color 7B7676 looks on a white background.

## Color Contrast Check

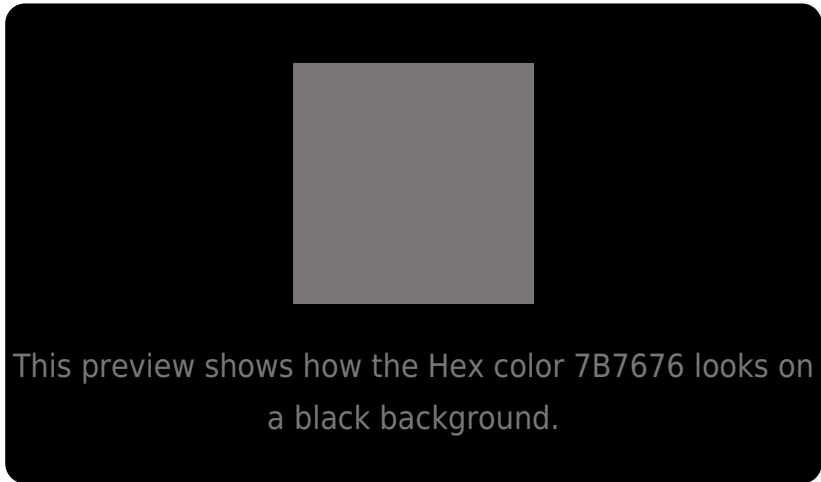
Large Text (above 18pt) WCAG AA ✓ Pass

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

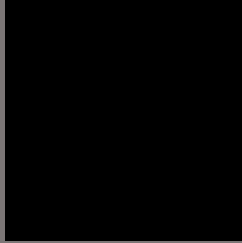
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

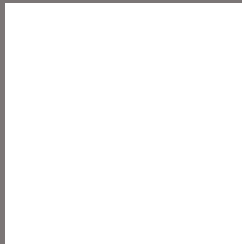
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 7B7676 Background



This preview shows how black text looks on a background with the Hex color 7B7676.



This preview shows how white text looks on a background with the Hex color 7B7676.

# 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**

7B7676

**Protanopia**

797776

**Deuteranopia**

837377



**Tritanopia**  
7C757E

# Trichromacy



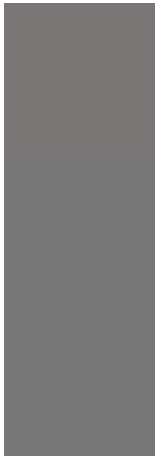
**Original Color**  
7B7676

**Protanomaly**  
7A7776

**Deuteranomaly**  
807477

**Tritanomaly**  
7C757B

# Monochromacy



**Original Color**  
7B7676

**Achromatopsia**  
777777

**Achromatomaly**  
787777

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7B7676 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 #7B7676 looks like.

```
.text, #text, p{  
    color:#7B7676  
}
```

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 #7B7676 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7B7676
}
```

## Border

The CSS property to change the border of an element to Hex 7B7676 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
#7B7676 }
```

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

```
.border{ border-color:#7B7676 }
```

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

Here you see how a box with a 4 pixel #7B7676 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7B7676; -webkit-box-shadow:4px 4px  
4px 4px #7B7676; box-shadow:4px 4px 4px  
4px #7B7676 }
```

# Background

The CSS property to change the background color of an element to Hex 7B7676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7B7676 }
```

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

```
.background{ background-color:#7B7676 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor