

# Converting Colors

Hex(808081)

Have a look what the booklet for  
Hex(808081) contains.

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# Color

**Hex(808081)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	808081
RGB	128, 128, 129
RGB Percent	50%, 50%, 51%
CMY	0.4980, 0.4980, 0.4941
CMYK	0.01, 0.01, 0.00, 0.49
HSL	240°, 0%, 50%
HSV	240°, 1%, 51%
XYZ	20.5837, 21.6125, 23.8556
YIQ	128.1140, -0.3210, 0.3110

# Conversions

## Conversions Part 2

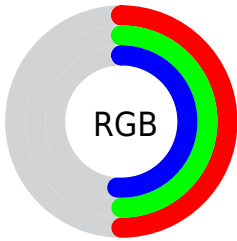
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	128, 128, 129
Decimal	8421505
CIE Lab	53.61, 0.20, -0.55
CIE LCh	54, 0.583, 290.329
Yxy	21.6125, 0.3116, 0.3272
Android (android.graphics.Color)	4286611585 (0xFF808081)
YUV	128.1140, 0.4368, -0.1000
Hunter-Lab	46.4893, -2.3231, 2.1182

# Details

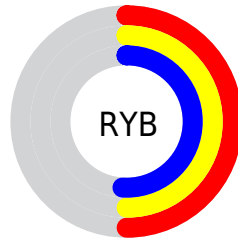
The Hex color **808081** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **818180**, and the grayscale version is **808080**.

A 20% lighter version of the original color is **B5B5B6**, and **4F4F50** is the 20% darker color. If you saturate the color by 10%, you get **737381**, and if you desaturate by 10%, it is **8D8D81**.

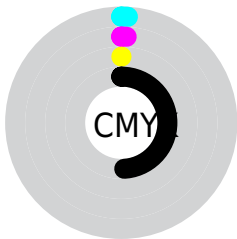
# Distribution



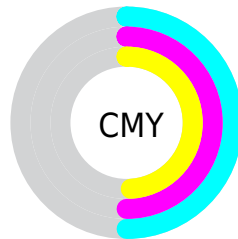
- Red (50%)
- Green (50%)
- Blue (51%)



- Red (50%)
- Yellow (50%)
- Blue (51%)



- Cyan (1%)
- Magenta (1%)
- Yellow (0%)
- Black (49%)



- Cyan (50%)
- Magenta (50%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 808081 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 808081 by changing the saturation by 10% instead.



■ 808081

■ 808081

FFFFFF

■ 676768

■ B5B5B6

■ 4F4F50

■ D0D0D1

■ 383839

■ EDEDEE

■ 232324

■ 0D0D0E

■ 000000

■ 808081

■ 808081

■ 737381

■ 8D8D81

■ 666681

■ 9A9A81

■ 595981

■ A7A781

■ 4C4C81

■ B4B481

■ 404081

■ C1C181

■ 333381

■ CDCD81

■ 262681

■ DADA81

■ 191981

■ E7E781

■ 0C0C81

■ F4F481

# Harmonies

## Analogous

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



7F8081



808081



818081

# Triad

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



808081



81807F



7F8080

# Complementary

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



808081



818180

# 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.



80807F



808081



81807F

# Square

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



808081



818080



80807F



7F8080

# Rectangle

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



808081



818080



80807F



7F8080



# Sweetspot

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



808081



A8A8A8



808181



545454



D4D4D4

# Same Dimension

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



808081



A7A7A8



818081



3F3F40



000080



000000



# Inverse Universe

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



818081



A8A7A8



818180



403F40



800080



000000



# Previews

## White Background



This preview shows how the Hex color 808081 looks on a white background.

## Color Contrast Check

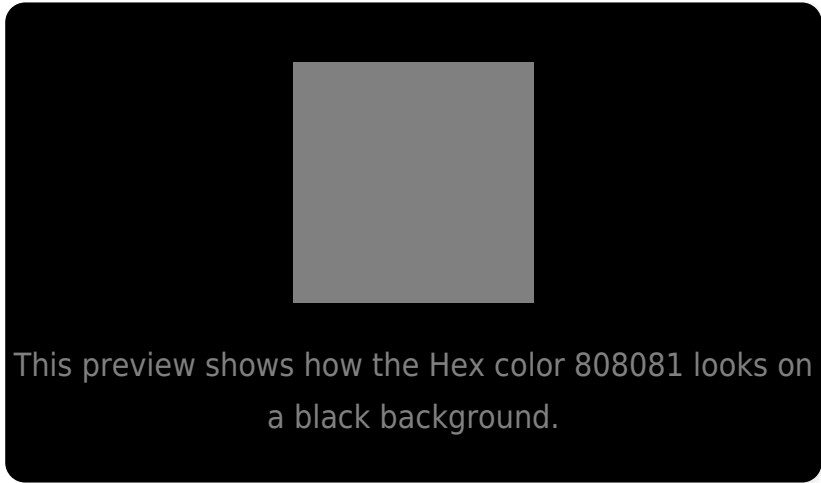
Large Text (above 18pt) WCAG AA ✓ Pass

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

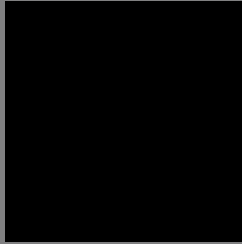
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

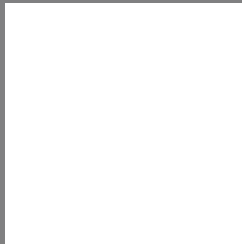
Any Text WCAG AAA × Fail

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

## Hex 808081 Background



This preview shows how black text looks on a background with the Hex color 808081.



This preview shows how white text looks on a background with the Hex color 808081.



# 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**  
808081

**Protanopia**  
827F81

**Deuteranopia**  
8C7C82



**Tritanopia**  
817F89

# Trichromacy



**Original Color**

808081

**Protanomaly**

817F81

**Deuteranomaly**

887D82

**Tritanomaly**

817F86

# Monochromacy



**Original Color**

808081

**Achromatopsia**

808080

**Achromatomaly**

808080

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 808081 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 #808081 looks like.

```
.text, #text, p{  
    color:#808081  
}
```

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 #808081 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #808081
}
```

## Border

The CSS property to change the border of an element to Hex 808081 is called "border". The border property can be set on classes, ids or directly on the HTML element.

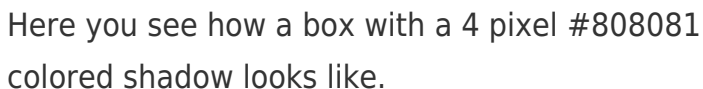
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#808081 }
```

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

```
.border{ border-color:#808081 }
```

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



Here you see how a box with a 4 pixel #808081 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #808081; -webkit-box-shadow:4px 4px  
4px 4px #808081; box-shadow:4px 4px 4px  
4px #808081 }
```

# Background

The CSS property to change the background color of an element to Hex 808081 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#808081 }
```

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

```
.background{ background-color:#808081 }
```

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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