

# Converting Colors

Hex(838180)

Have a look what the booklet for  
Hex(838180) contains.

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# Color

**Hex(838180)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	838180
RGB	131, 129, 128
RGB Percent	51%, 51%, 50%
CMY	0.4863, 0.4941, 0.4980
CMYK	0.00, 0.02, 0.02, 0.49
HSL	20°, 1%, 51%
HSV	20°, 2%, 51%
XYZ	21.1066, 22.0843, 23.5723
YIQ	129.4840, 1.5130, 0.1130

# Conversions

## Conversions Part 2

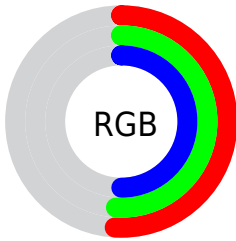
<b>Format</b>	<b>Color</b>
<b>RYB</b>	131, 130, 128
Decimal	8618368
CIELab	54.12, 0.56, 0.80
CIELCh	54, 0.974, 55.157
Yxy	22.0843, 0.3161, 0.3308
Android (android.graphics.Color)	4286808448 (0xFF838180)
YUV	129.4840, -0.7316, 1.3295
Hunter-Lab	46.9940, -2.0689, 3.1557

# Details

The Hex color **838180** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **808283**, and the grayscale version is **818181**.

A 20% lighter version of the original color is **B8B6B5**, and **52504F** is the 20% darker color. If you saturate the color by 10%, you get **837873**, and if you desaturate by 10%, it is **838A8D**.

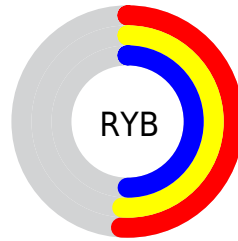
# Distribution



Red (51%)

Green (51%)

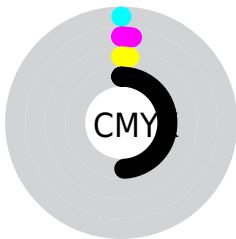
Blue (50%)



Red (51%)

Yellow (51%)

Blue (50%)

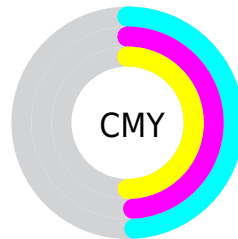


Cyan (0%)

Magenta (2%)

Yellow (2%)

Black (49%)



Cyan (49%)

Magenta (49%)

Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 838180 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 838180 by changing the saturation by 10% instead.





838180



838180

FFFFFF



6A6867



B8B6B5



52504F



D4D1D0



3B3938



F0EEED



252423



100E0D



000000



838180



838180



837873



838A8D



837066



83929A

 836759

 839BA7

 835E4C

 83A4B4

 83553F

 83ADC2

 834D31

 83B5CF

 834424

 83BEDC

 833B17

 83C7E9

 83320A

 83D0F6

# Harmonies

## Analogous

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



838181



838180



828180

# Triad

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



838180



808281



818183

# Complementary

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



838180



808283

# 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.



808183



838180



7F8282

# Square

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



838180



808280



808283



828182

# Rectangle

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



838180



828180



808283



818183



# Sweetspot

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



838180



ABAAA9



838082



575656



D6D6D6



575757



# Same Dimension

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



838180



ABA7A6



838380



424140



822B00



030100



# Inverse Universe

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



808283



A6A9AB



808183



404142



005782



000203



# Previews

## White Background



This preview shows how the Hex color 838180 looks on a white background.

## Color Contrast Check

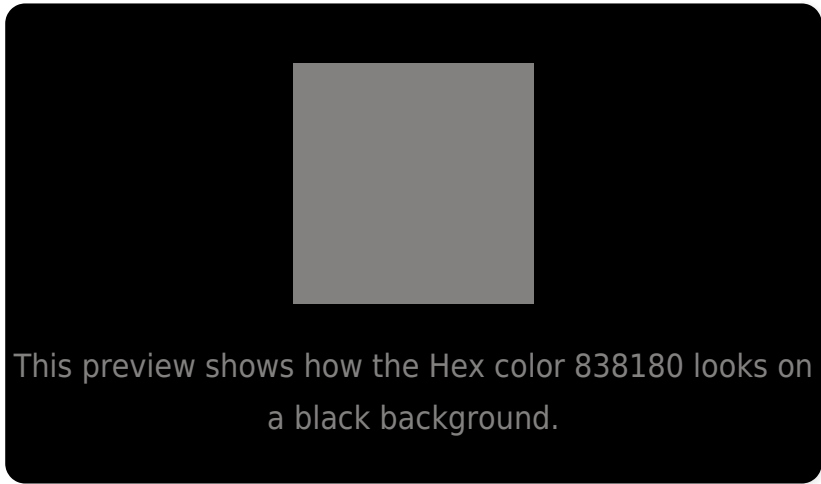
Large Text (above 18pt) WCAG AA ✓ Pass

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

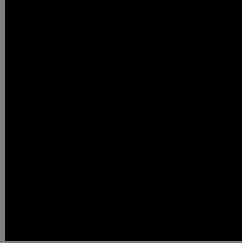
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

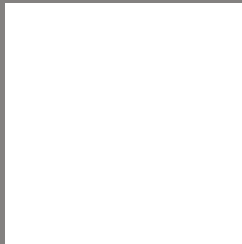
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 838180 Background



This preview shows how black text looks on a background with the Hex color 838180.



This preview shows how white text looks on a background with the Hex color 838180.

# 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**

838180

**Protanopia**

848180

**Deuteranopia**

8E7D81



**Tritanopia**  
84808A

# Trichromacy



**Original Color**  
838180

**Protanomaly**  
848180

**Deuteranomaly**  
8A7E81

**Tritanomaly**  
848086

# Monochromacy



**Original Color**  
838180

**Achromatopsia**  
818181

**Achromatomaly**  
828181

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 838180 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 #838180 looks like.

```
.text, #text, p{  
    color:#838180  
}
```

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 #838180 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #838180
}
```

## Border

The CSS property to change the border of an element to Hex 838180 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
#838180 }
```

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

```
.border{ border-color:#838180 }
```

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

Here you see how a box with a 4 pixel #838180 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #838180; -webkit-box-shadow:4px 4px  
4px 4px #838180; box-shadow:4px 4px 4px  
4px #838180 }
```

# Background

The CSS property to change the background color of an element to Hex 838180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#838180 }
```

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

```
.background{ background-color:#838180 }
```

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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