

Converting Colors

Hex(838080)

Have a look what the booklet for
Hex(838080) contains.

Hex(838080)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(838080)

Conversions

Conversions Part 1

Format	Color
Hex	838080
RGB	131, 128, 128
RGB Percent	51%, 50%, 50%
CMY	0.4863, 0.4980, 0.4980
CMYK	0.00, 0.02, 0.02, 0.49
HSL	0°, 1%, 51%
HSV	0°, 2%, 51%
XYZ	20.9755, 21.8222, 23.5286
YIQ	128.8970, 1.7880, 0.6360

Conversions

Conversions Part 2

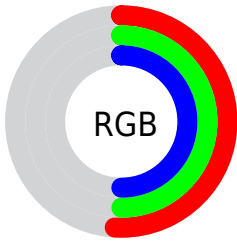
Format	Color
RYB	131, 128, 128
Decimal	8618112
CIELab	53.84, 1.13, 0.39
CIELCh	54, 1.195, 19.200
Yxy	21.8222, 0.3162, 0.3290
Android (android.graphics.Color)	4286808192 (0xFF838080)
YUV	128.8970, -0.4422, 1.8443
Hunter-Lab	46.7142, -1.6000, 2.8372

Details

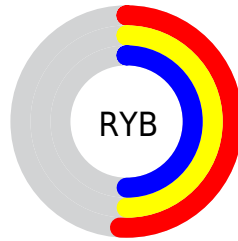
The Hex color **838080** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **808383**, and the grayscale version is **818181**.

A 20% lighter version of the original color is **B8B5B5**, and **524F4F** is the 20% darker color. If you saturate the color by 10%, you get **837373**, and if you desaturate by 10%, it is **838D8D**.

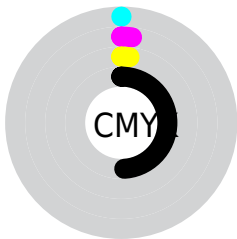
Distribution



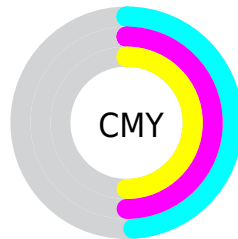
- Red (51%)
- Green (50%)
- Blue (50%)



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



- Cyan (0%)
- Magenta (2%)
- Yellow (2%)
- Black (49%)



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

Brightness & Saturation Gradients

These gradients show how the Hex color 838080 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 838080 by changing the saturation by 10% instead.

■ 838080

■ 838080

FFFFFF

■ 6A6767

■ B8B5B5

■ 524F4F

■ D4D0D0

■ 3B3838

■ FOEDED

■ 252323

■ 100D0D

■ 000000

■ 838080

■ 838080

■ 837373

■ 838D8D

■ 836666

■ 839A9A

835959

83A7A7

834C4C

83B4B4

833F3F

83C2C2

833131

83CFCF

832424

83DCDC

831717

83E9E9

830A0A

83F6F6

Harmonies

Analogous

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



838081



838080



83807F

Triad

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



838080



80817F



7F8183

Complementary

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



838080



808383

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.



7E8182



838080



7F8180

Square

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



838080



81817F



7E8181



808183

Rectangle

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



838080



82807F



7E8181



7F8183

Sweetspot

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



838080



ABA9A9



838083



575656



D6D6D6



575757

Same Dimension

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



838080



ABA6A6



838280



424040



820000



030000

Inverse Universe

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



808383



A6ABAB



808283



404242



008282



000303

Previews

White Background



This preview shows how the Hex color 838080 looks on a white background.

Color Contrast Check

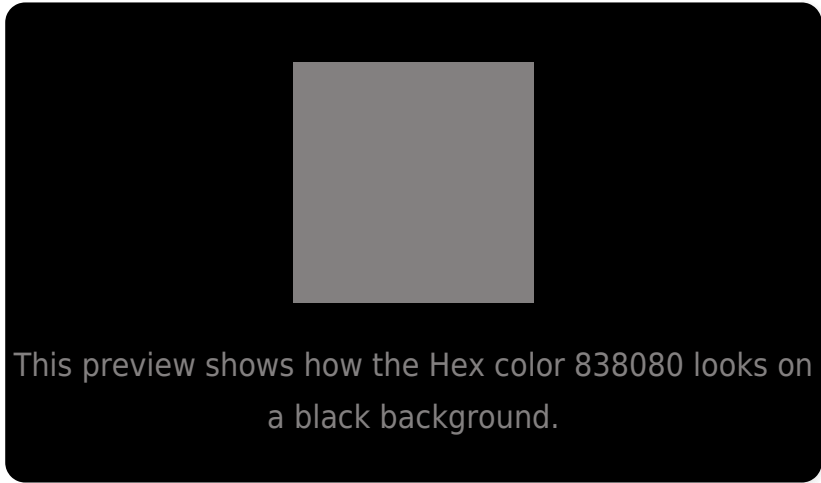
Large Text (above 18pt) WCAG AA ✓ Pass

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

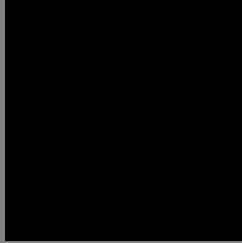
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

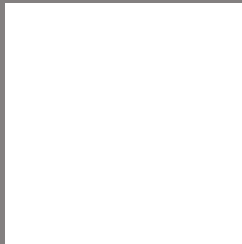
Any Text WCAG AAA × Fail

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

Hex 838080 Background



This preview shows how black text looks on a background with the Hex color 838080.



This preview shows how white text looks on a background with the Hex color 838080.

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
838080

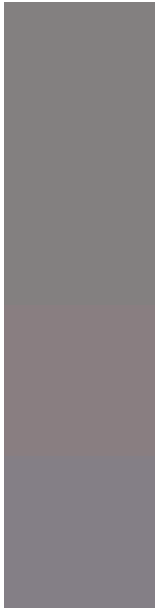
Protanopia
838080

Deuteranopia
8D7D81



Tritanopia
847F89

Trichromacy



Original Color
838080

Protanomaly
838080

Deuteranomaly
897E81

Tritanomaly
847F86

Monochromacy



Original Color
838080

Achromatopsia
818181

Achromatomaly
828181

CSS Examples

Text

The CSS property to change the color of the text to Hex 838080 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 #838080 looks like.

```
.text, #text, p{  
    color:#838080  
}
```

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 #838080 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #838080
}
```

Border

The CSS property to change the border of an element to Hex 838080 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
#838080 }
```

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

```
.border{ border-color:#838080 }
```

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

Here you see how a box with a 4 pixel #838080 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #838080; -webkit-box-shadow:4px 4px  
4px 4px #838080; box-shadow:4px 4px 4px  
4px #838080 }
```

Background

The CSS property to change the background color of an element to Hex 838080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#838080 }
```

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

```
.background{ background-color:#838080 }
```

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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