

# Converting Colors

Hex(878787)

Have a look what the booklet for  
Hex(878787) contains.

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# Color

**Hex(878787)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	878787
RGB	135, 135, 135
RGB Percent	53%, 53%, 53%
CMY	0.4706, 0.4706, 0.4706
CMYK	0.00, 0.00, 0.00, 0.47
HSL	0°, 0%, 53%
HSV	0°, 0%, 53%
XYZ	23.0288, 24.2281, 26.3844
YIQ	135.0000, -0.0000, -0.0000

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	135, 135, 135
Decimal	8882055
CIE <sub>Lab</sub>	56.32, 0.00, -0.01
CIE <sub>LCh</sub>	56, 0.007, 296.813
Yxy	24.2281, 0.3127, 0.3290
Android (android.graphics.Color)	4287072135 (0xFF878787)
YUV	135.0000, 0.0000, 0.0000
Hunter-Lab	49.2221, -2.6264, 2.6743

# Details

The Hex color **878787** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **878787**, and the grayscale version is **878787**.

A 20% lighter version of the original color is **BCBCBC**, and **555555** is the 20% darker color. If you saturate the color by 10%, you get **877A7A**, and if you desaturate by 10%, it is **879595**.

# Distribution



Red (53%)

Green (53%)

Blue (53%)



Red (53%)

Yellow (53%)

Blue (53%)



Cyan (0%)

Magenta (0%)

Yellow (0%)

Black (47%)



Cyan (47%)

Magenta (47%)

Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 878787 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 878787 by changing the saturation by 10% instead.





878787



878787

FFFFFF



6E6E6E



BCBCBC



555555



D8D8D8



3E3E3E



F4F4F4



282828



141414



000000



878787



878787



877A7A



879595



876C6C



87A2A2

 875E5E

 87B0B0

 875151

 87BDBD

 874444

 87CBCB

 873636

 87D8D8

 872929

 87E6E6

 871B1B

 87F3F3

 870D0D

 87FFFF

# Harmonies

# Sweetspot

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



878787



B0B0B0



595959



D9D9D9

# Same Dimension

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



878787



B0B0B0



424242



820000



030000

# Inverse Universe

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



878787



B0B0B0



424242



008282



000303

# Previews

## White Background



This preview shows how the Hex color 878787 looks on a white background.

## Color Contrast Check

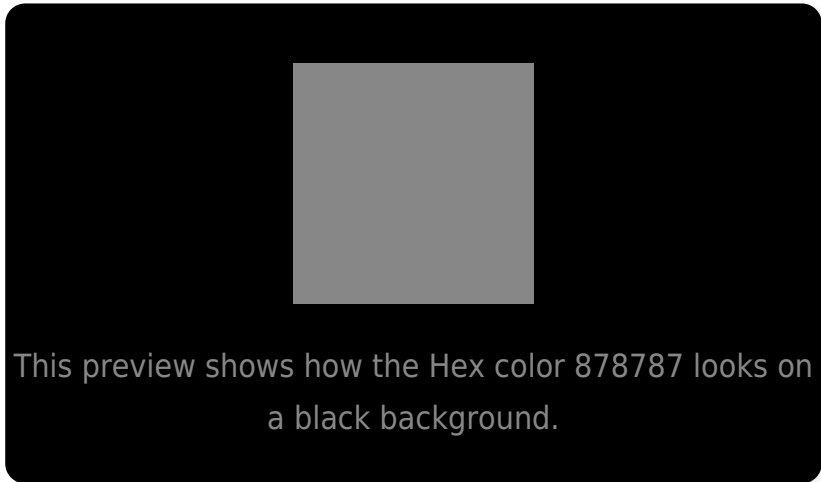
Large Text (above 18pt) WCAG AA ✓ Pass

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

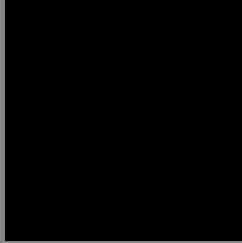
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

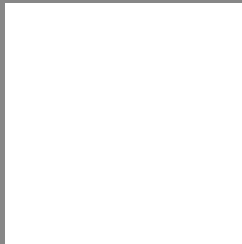
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 878787 Background



This preview shows how black text looks on a background with the Hex color 878787.



This preview shows how white text looks on a background with the Hex color 878787.

# 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**  
878787

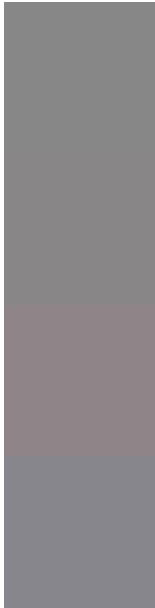
**Protanopia**  
898687

**Deuteranopia**  
938388



**Tritanopia**  
888690

# Trichromacy



**Original Color**

878787

**Protanomaly**

888687

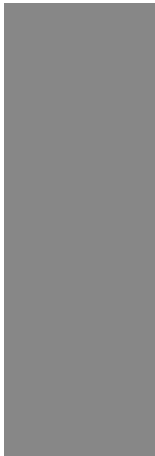
**Deuteranomaly**

8F8488

**Tritanomaly**

88868D

# Monochromacy



**Original Color**

878787

**Achromatopsia**

878787

**Achromatomaly**

878787

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 878787 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 #878787 looks like.

```
.text, #text, p{  
    color:#878787  
}
```

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 #878787 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #878787
}
```

## Border

The CSS property to change the border of an element to Hex 878787 is called "border". The border property can be set on classes, ids or directly on the HTML element.

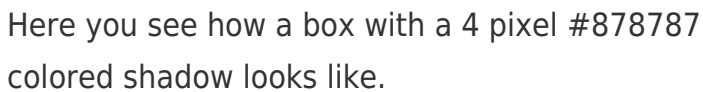
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#878787 }
```

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

```
.border{ border-color:#878787 }
```

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



Here you see how a box with a 4 pixel #878787 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #878787; -webkit-box-shadow:4px 4px  
4px 4px #878787; box-shadow:4px 4px 4px  
4px #878787 }
```

# Background

The CSS property to change the background color of an element to Hex 878787 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#878787 }
```

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

```
.background{ background-color:#878787 }
```

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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