

# Converting Colors

Hex(188080)

Have a look what the booklet for  
Hex(188080) contains.

<b>Hex(188080)</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(188080)**

# Conversions

## Conversions Part 1

Format	Color
Hex	188080
RGB	24, 128, 128
RGB Percent	9%, 50%, 50%
CMY	0.9059, 0.4980, 0.4980
CMYK	0.81, 0.00, 0.00, 0.50
HSL	180°, 68%, 30%
HSV	180°, 81%, 50%
XYZ	11.9921, 17.1910, 23.1082
YIQ	96.9040, -61.9840, -22.0480

# Conversions

## Conversions Part 2

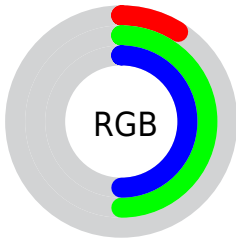
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	24, 76, 128
Decimal	1605760
CIE <sub>Lab</sub>	48.50, -27.24, -8.09
CIE <sub>LCh</sub>	48, 28.415, 196.544
Yxy	17.1910, 0.2293, 0.3288
Android (android.graphics.Color)	4279795840 (0xFF188080)
YUV	96.9040, 15.3303, -63.9368
Hunter-Lab	41.4621, -20.9308, -4.0209

# Details

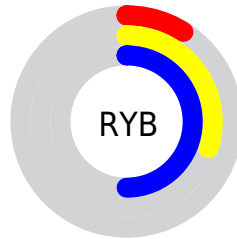
The Hex color **188080** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **801818**, and the grayscale version is **616161**.

A 20% lighter version of the original color is **5AB5B5**, and **004E4F** is the 20% darker color. If you saturate the color by 10%, you get **0B8080**, and if you desaturate by 10%, it is **258080**.

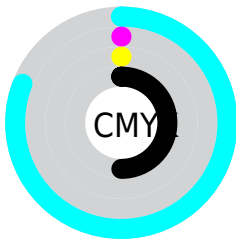
# Distribution



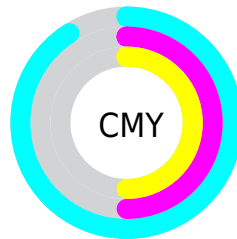
- Red (9%)
- Green (50%)
- Blue (50%)



- Red (9%)
- Yellow (30%)
- Blue (50%)



- Cyan (81%)
- Magenta (0%)
- Yellow (0%)
- Black (50%)



- Cyan (91%)
- Magenta (50%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 188080 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 188080 by changing the saturation by 10% instead.



 188080

 188080

FFFFFF

 006767

 5AB5B5

 004E4F

 76D1D0

 003738

 93EDED

 002223

 AFFFFFF

 00010D

 CCFFFF

 000000

 EAFFFF

 188080

 188080

 0B8080

 258080

■ 008080

■ 328080

■ 3E8080

■ 4B8080

■ 588080

■ 658080

■ 728080

■ 7E8080

■ 8B8080

# Harmonies

## Analogous

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



3C7F67



188080



117E95

# Triad

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



188080



876894



8D6E45

# Complementary

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



188080



801818

# 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.



9C6651



188080



9B627F

# Square

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



188080



6671A1



A26167



767644

# Rectangle

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



188080



2E7B9F



A26167



936B48



# Sweetspot

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



188080



7EA6A6



188018



3C5454



D4D4D4



545454



# Same Dimension

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



188080



03A6A6



184C80



394040



008080



000000



# Inverse Universe

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



801880



A603A6



804C18



403940



800080



000000



# Previews

## White Background



This preview shows how the Hex color 188080 looks on a white background.

## Color Contrast Check

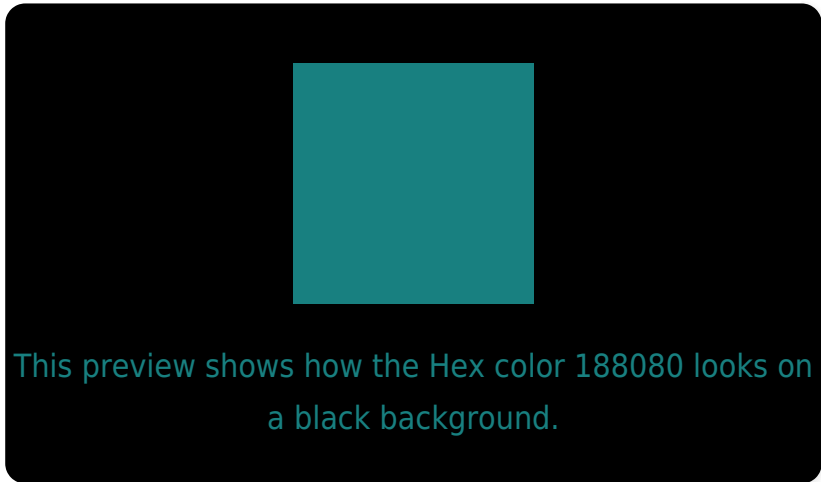
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

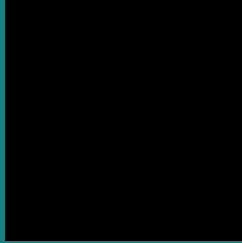
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 188080 Background



This preview shows how black text looks on a background with the Hex color 188080.

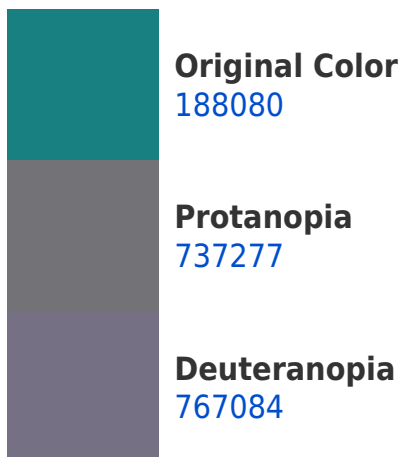


This preview shows how white text looks on a background with the Hex color 188080.

# 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





**Tritanopia**  
207F89

# Trichromacy



**Original Color**  
188080

**Protanomaly**  
52777A

**Deuteranomaly**  
547683

**Tritanomaly**  
1D7F86

# Monochromacy



**Original Color**  
188080

**Achromatopsia**  
616161

**Achromatomaly**  
466C6C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 188080 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 #188080 looks like.

```
.text, #text, p{  
    color:#188080  
}
```

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 #188080 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #188080
}
```

## Border

The CSS property to change the border of an element to Hex 188080 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
#188080 }
```

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

```
.border{ border-color:#188080 }
```

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

Here you see how a box with a 4 pixel #188080 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #188080; -webkit-box-shadow:4px 4px  
4px 4px #188080; box-shadow:4px 4px 4px  
4px #188080 }
```

# Background

The CSS property to change the background color of an element to Hex 188080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#188080 }
```

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

```
.background{ background-color:#188080 }
```

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