

# Converting Colors

Hex(207070)

Have a look what the booklet for  
Hex(207070) contains.

<b>Hex(207070)</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(207070)**

# Conversions

## Conversions Part 1

Format	Color
Hex	207070
RGB	32, 112, 112
RGB Percent	13%, 44%, 44%
CMY	0.8745, 0.5608, 0.5608
CMYK	0.71, 0.00, 0.00, 0.56
HSL	180°, 56%, 28%
HSV	180°, 71%, 44%
XYZ	9.3145, 13.0653, 17.3602
YIQ	88.0800, -47.6800, -16.9600

# Conversions

## Conversions Part 2

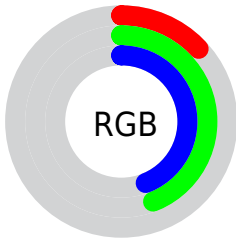
<b>Format</b>	<b>Color</b>
<b>RYB</b>	32, 72, 112
Decimal	2125936
CIELab	42.86, -23.19, -6.96
CIELCh	43, 24.215, 196.714
Yxy	13.0653, 0.2344, 0.3288
Android (android.graphics.Color)	4280316016 (0xFF207070)
YUV	88.0800, 11.7926, -49.1822
Hunter-Lab	36.1459, -17.2576, -3.1737

# Details

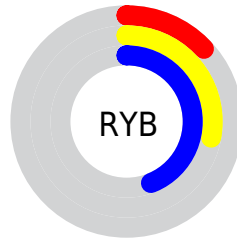
The Hex color **207070** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **702020**, and the grayscale version is **585858**.

A 20% lighter version of the original color is **5AA4A4**, and **004040** is the 20% darker color. If you saturate the color by 10%, you get **157070**, and if you desaturate by 10%, it is **2B7070**.

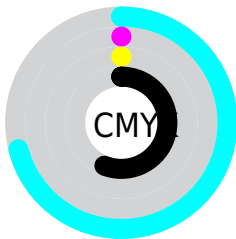
# Distribution



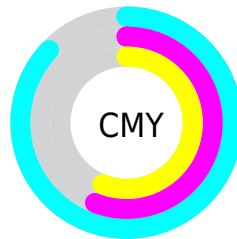
- Red (13%)
- Green (44%)
- Blue (44%)



- Red (13%)
- Yellow (28%)
- Blue (44%)



- Cyan (71%)
- Magenta (0%)
- Yellow (0%)
- Black (56%)



- Cyan (87%)
- Magenta (56%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 207070 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 207070 by changing the saturation by 10% instead.



■ 207070

■ 207070

FFFFFF

■ 005758

■ 5AA4A4

■ 004040

■ 75BFBF

■ 00292A

■ 91DBDB

■ 001316

■ ADF8F7

■ 000000

■ C9FFFF

■ E6FFFF

■ 207070

■ 207070

■ 157070

■ 2B7070

■ 0A7070

■ 367070

■ 007070

■ 427070

■ 4D7070

■ 587070

■ 637070

■ 6E7070

■ 7A7070

■ 857070

# Harmonies

## Analogous

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



386F5B



207070



1E6E82

# Triad

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



207070



765C81



7B613E

# Complementary

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



207070



702020

# 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.



885A49



207070



87576F

# Square

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



207070



5B638B



8D565B



67683E

# Rectangle

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



207070



306C89



8D565B



805F41



# Sweetspot

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



207070



739191



207020



374A4A



C9C9C9



4A4A4A



# Same Dimension

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



207070



149191



204870



323838



007878



00F7F7



# Inverse Universe

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



702070



911491



704820



383238



780078

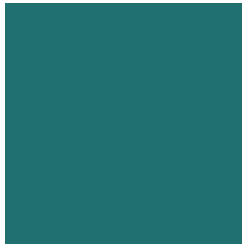


F700F7



# Previews

## White Background



This preview shows how the Hex color 207070 looks on a white background.

## Color Contrast Check

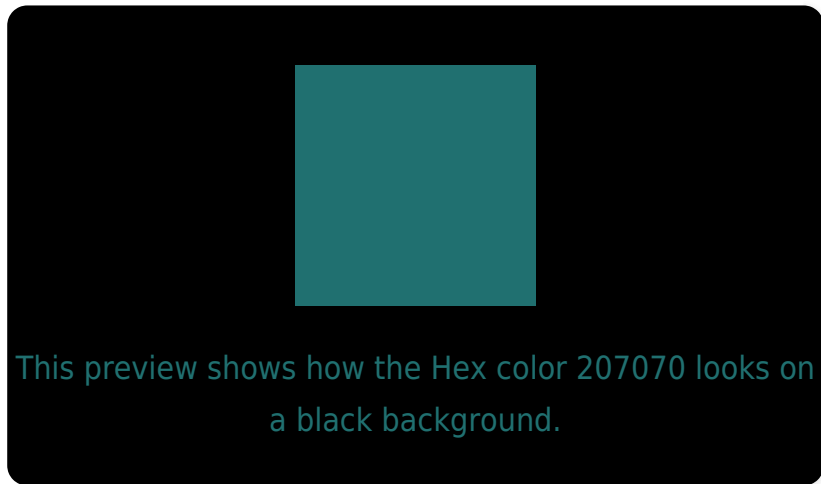
Large Text (above 18pt) WCAG AA ✓ Pass

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

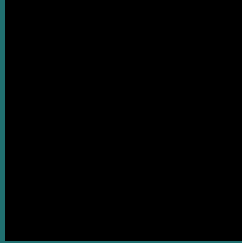
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 207070 Background



This preview shows how black text looks on a background with the Hex color 207070.

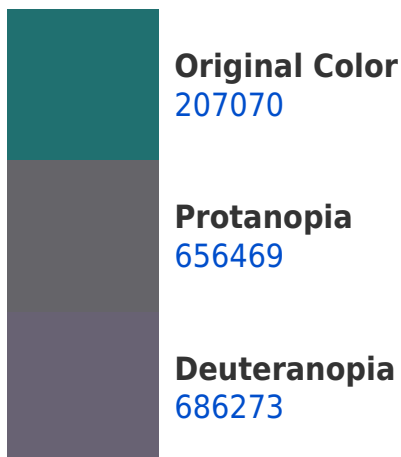


This preview shows how white text looks on a background with the Hex color 207070.

# 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](#).

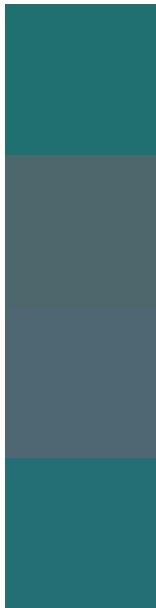
## Dichromacy





**Tritanopia**  
256F78

# Trichromacy



**Original Color**  
207070

**Protanomaly**  
4C686C

**Deuteranomaly**  
4E6772

**Tritanomaly**  
236F75

# Monochromacy



**Original Color**  
207070

**Achromatopsia**  
585858

**Achromatomaly**  
446161

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 207070 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 #207070 looks like.

```
.text, #text, p{  
    color:#207070  
}
```

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 #207070 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #207070
}
```

## Border

The CSS property to change the border of an element to Hex 207070 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
#207070 }
```

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

```
.border{ border-color:#207070 }
```

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

Here you see how a box with a 4 pixel #207070 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #207070; -webkit-box-shadow:4px 4px  
4px 4px #207070; box-shadow:4px 4px 4px  
4px #207070 }
```

# Background

The CSS property to change the background color of an element to Hex 207070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#207070 }
```

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

```
.background{ background-color:#207070 }
```

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