

# Converting Colors

Hex(007172)

Have a look what the booklet for  
Hex(007172) contains.

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# Color

**Hex(007172)**

# Conversions

## Conversions Part 1

Format	Color
Hex	007172
RGB	0, 113, 114
RGB Percent	0%, 44%, 45%
CMY	1.0000, 0.5569, 0.5529
CMYK	1.00, 0.01, 0.00, 0.55
HSL	181°, 100%, 22%
HSV	181°, 100%, 45%
XYZ	8.9424, 13.0252, 17.9624
YIQ	79.3270, -67.6690, -23.6450

# Conversions

## Conversions Part 2

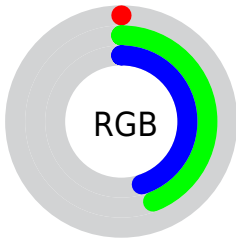
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 57, 114
Decimal	29042
CIELab	42.80, -26.04, -8.31
CIELCh	43, 27.337, 197.693
Yxy	13.0252, 0.2240, 0.3262
Android (android.graphics.Color)	4278219122 (0xFF007172)
YUV	79.3270, 17.0938, -69.5698
Hunter-Lab	36.0904, -18.9299, -4.2457

# Details

The Hex color **007172** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **720100**, and the grayscale version is **4F4F4F**.

A 20% lighter version of the original color is **4DA5A6**, and **004042** is the 20% darker color. If you saturate the color by 10%, you get **007172**, and if you desaturate by 10%, it is **0B7172**.

# Distribution



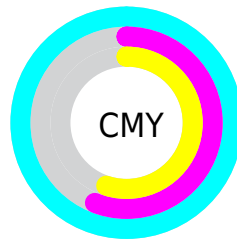
- Red (0%)
- Green (44%)
- Blue (45%)



- Red (0%)
- Yellow (22%)
- Blue (45%)



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (55%)



- Cyan (100%)
- Magenta (56%)
- Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 007172 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 007172 by changing the saturation by 10% instead.



 007172

 007172

FFFFFF

 00585A

 4DA5A6

 004042

 6AC1C1

 002A2C

 86DDDD

 001218

 A2F9F9

 000000

 BFFFFFF

 DCFFFF

 FAFFFF

 007172

■ 0B7172

■ 177172

■ 227172

■ 2E7172

■ 397272

■ 447272

■ 507272

■ 5B7272

■ 677272

# Harmonies

## Analogous

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



2E705B



007172



006F86

# Triad

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



007172



785A84



7C6139

# Complementary

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



007172



720100

# 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.



8B5945



007172



8B546F

# Square

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



007172



5A6390



915458



666839

# Rectangle

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



007172



226C8E



915458



825E3C



# Sweetspot

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



007172



689494



007200



2F4A4A



C9C9C9



4A4A4A



# Same Dimension

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



007172



009394



003972



323838



007778



00F5F7



# Inverse Universe

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



720071



940093



723900



383238



780077



F700F5



# Previews

## White Background



This preview shows how the Hex color 007172 looks on a white background.

## Color Contrast Check

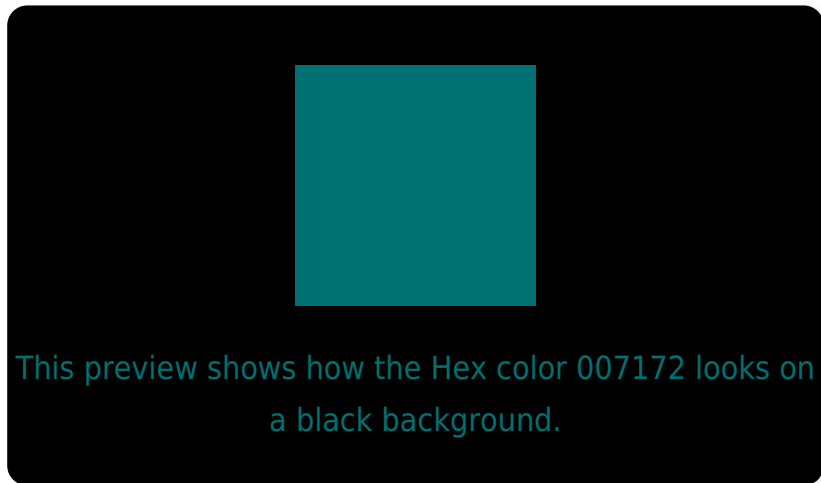
Large Text (above 18pt) WCAG AA ✓ Pass

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

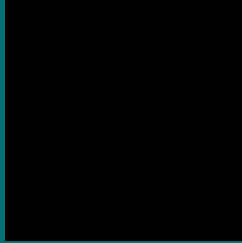
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 007172 Background



This preview shows how black text looks on a background with the Hex color 007172.

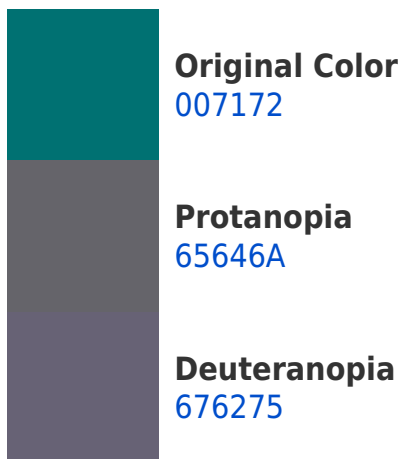


This preview shows how white text looks on a background with the Hex color 007172.

# 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



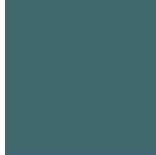


**Tritanopia**  
137079

# Trichromacy



**Original Color**  
007172



**Protanomaly**  
40696D



**Deuteranomaly**  
426774



**Tritanomaly**  
0C7076

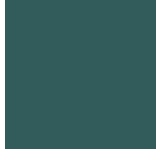
# Monochromacy



**Original Color**  
007172



**Achromatopsia**  
4F4F4F



**Achromatomaly**  
325B5C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 007172 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 #007172 looks like.

```
.text, #text, p{  
    color:#007172  
}
```

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 #007172 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #007172
}
```

## Border

The CSS property to change the border of an element to Hex 007172 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
#007172 }
```

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

```
.border{ border-color:#007172 }
```

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

Here you see how a box with a 4 pixel #007172 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #007172; -webkit-box-shadow:4px 4px  
4px 4px #007172; box-shadow:4px 4px 4px  
4px #007172 }
```

# Background

The CSS property to change the background color of an element to Hex 007172 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#007172 }
```

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

```
.background{ background-color:#007172 }
```

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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