

# Converting Colors

Hex(206C7E)

Have a look what the booklet for  
Hex(206C7E) contains.

<b>Hex(206C7E)</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(206C7E)

# Conversions

## Conversions Part 1

Format	Color
Hex	206C7E
RGB	32, 108, 126
RGB Percent	13%, 42%, 49%
CMY	0.8745, 0.5765, 0.5059
CMYK	0.75, 0.14, 0.00, 0.51
HSL	191°, 59%, 31%
HSV	191°, 75%, 49%
XYZ	9.7241, 12.5386, 21.6463
YIQ	87.3280, -51.0740, -10.5140

# Conversions

## Conversions Part 2

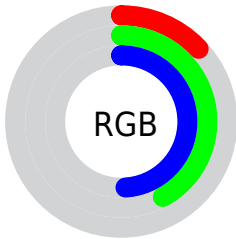
<b>Format</b>	<b>Color</b>
<b>RYB</b>	32, 74, 126
Decimal	2124926
CIELab	42.06, -16.41, -16.62
CIELCh	42, 23.356, 225.380
Yxy	12.5386, 0.2215, 0.2856
Android (android.graphics.Color)	4280315006 (0xFF206C7E)
YUV	87.3280, 19.0653, -48.5227
Hunter-Lab	35.4098, -12.9482, -11.4576

# Details

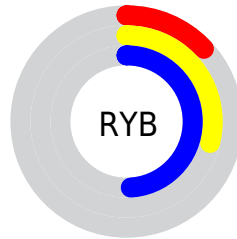
The Hex color **206C7E** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **7E3220**, and the grayscale version is **575757**.

A 20% lighter version of the original color is **5BA0B3**, and **003C4D** is the 20% darker color. If you saturate the color by 10%, you get **136A7E**, and if you desaturate by 10%, it is **2D6E7E**.

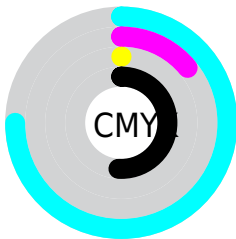
# Distribution



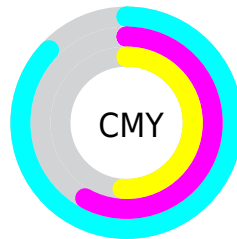
- Red (13%)
- Green (42%)
- Blue (49%)



- Red (13%)
- Yellow (29%)
- Blue (49%)



- Cyan (75%)
- Magenta (14%)
- Yellow (0%)
- Black (51%)



- Cyan (87%)
- Magenta (58%)
- Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 206C7E 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 206C7E by changing the saturation by 10% instead.



 206C7E

 206C7E

FFFFFF

 005465

 5BA0B3

 003C4D

 77BBCE

 002636

 92D6EA

 000F21

 AFF3FF

 000007

 CBFFFF

 000000

 E8FFFF

 206C7E

 206C7E

 136A7E

 2D6E7E

07677E

39717E

00667E

46737E

52767E

5F787E

6C7A7E

787D7E

857F7E

91827E

# Harmonies

## Analogous

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



236E6D



206C7E



396888

# Triad

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



206C7E



83566D



66653E

# Complementary

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



206C7E



7E3220

# 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.



795F3E



206C7E



89555A

# Square

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



206C7E



725B7E



855949



516A48

# Rectangle

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



206C7E



4E6489



855949



6D633D



# Sweetspot

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



206C7E



7F9CA3



207E31



3C4E52



D1D1D1



525252



# Same Dimension

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



206C7E



1087A3



203E7E



393F40



006780



000000



# Inverse Universe

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



7E206C



A31087



7E6020



40393F



800067



000000



# Previews

## White Background



This preview shows how the Hex color 206C7E looks on a white background.

## Color Contrast Check

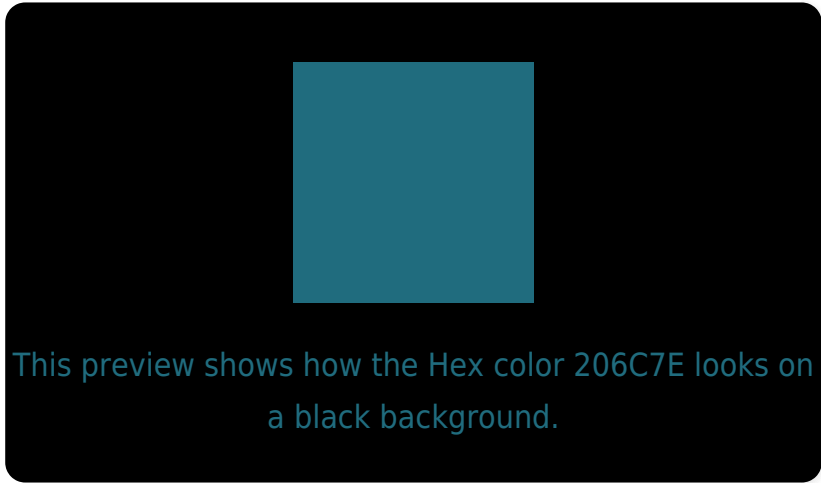
Large Text (above 18pt) WCAG AA ✓ Pass

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

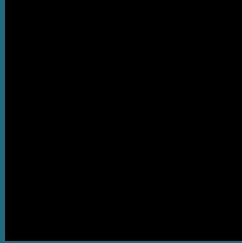
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 206C7E Background



This preview shows how black text looks on a background with the Hex color 206C7E.

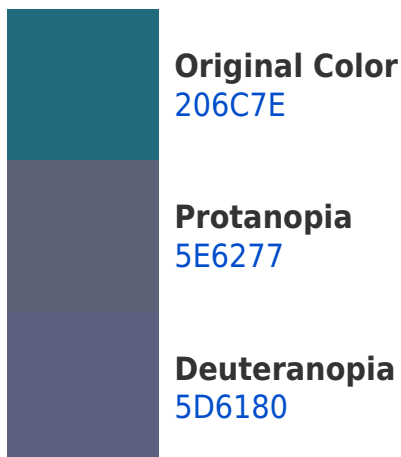



This preview shows how white text looks on a background with the Hex color 206C7E.

# 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](#).

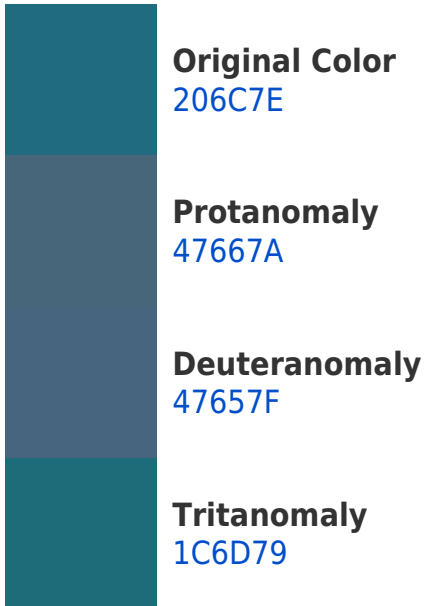
## Dichromacy





**Tritanopia**  
1A6D76

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 206C7E 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 #206C7E looks like.

```
.text, #text, p{  
    color:#206C7E  
}
```

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 #206C7E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #206C7E
}
```

## Border

The CSS property to change the border of an element to Hex 206C7E 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
#206C7E }
```

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

```
.border{ border-color:#206C7E }
```

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

Here you see how a box with a 4 pixel #206C7E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #206C7E; -webkit-box-shadow:4px 4px  
4px 4px #206C7E; box-shadow:4px 4px 4px  
4px #206C7E }
```

# Background

The CSS property to change the background color of an element to Hex 206C7E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#206C7E }
```

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

```
.background{ background-color:#206C7E }
```

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