

# Converting Colors

Hex(216B70)

Have a look what the booklet for  
Hex(216B70) contains.

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# Color

**Hex(216B70)**

# Conversions

## Conversions Part 1

Format	Color
Hex	216B70
RGB	33, 107, 112
RGB Percent	13%, 42%, 44%
CMY	0.8706, 0.5804, 0.5608
CMYK	0.71, 0.04, 0.00, 0.56
HSL	184°, 54%, 28%
HSV	184°, 71%, 44%
XYZ	8.8095, 12.0086, 17.1828
YIQ	85.4440, -45.7090, -14.1330

# Conversions

## Conversions Part 2

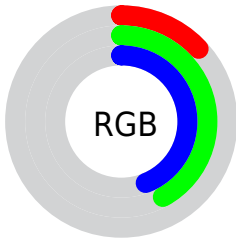
<b>Format</b>	<b>Color</b>
<b>RYB</b>	33, 71, 112
Decimal	2190192
CIELab	41.23, -20.40, -9.41
CIElCh	41, 22.467, 204.753
Yxy	12.0086, 0.2318, 0.3160
Android (android.graphics.Color)	4280380272 (0xFF216B70)
YUV	85.4440, 13.0921, -45.9934
Hunter-Lab	34.6534, -15.2655, -5.1414




# Details

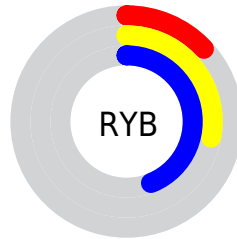
The Hex color **216B70** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **702621**, and the grayscale version is **555555**.




A 20% lighter version of the original color is **5A9FA4**, and **003B40** is the 20% darker color. If you saturate the color by 10%, you get **166A70**, and if you desaturate by 10%, it is **2C6C70**.

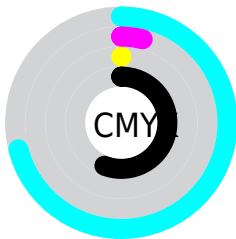
# Distribution







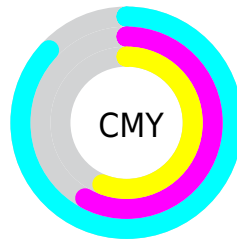
-  Red (13%)
-  Green (42%)
-  Blue (44%)






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



-  Cyan (71%)
-  Magenta (4%)
-  Yellow (0%)
-  Black (56%)




-  Cyan (87%)
-  Magenta (58%)
-  Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the Hex color 216B70 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 216B70 by changing the saturation by 10% instead.



 216B70

 216B70

FFFFFF

 005358

 5A9FA4

 003B40

 75BABF

 00252A

 90D6DB


 000A16

 ACF2F7

 000000

 C8FFFF

 E5FFFF

 216B70

 216B70

 166A70

 2C6C70

■ 0B6A70

■ 376C70

■ 006970

■ 436D70

■ 4E6E70

■ 596F70

■ 646F70

■ 6F7070

■ 7B7170

■ 867170

# Harmonies

## Analogous

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



326B5D



216B70



28697F

# Triad

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



216B70



765777



715F3C

# Complementary

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



216B70



702621

# 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.



7F5944



216B70



835365

# Square

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



216B70



5F5E83



865453



5E653F

# Rectangle

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



216B70



396684



865453



765D3E



# Sweetspot

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



216B70



738F91



217025



37494A



C9C9C9



4A4A4A



# Same Dimension

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



216B70



168A91



214570



323838



007078



00E8F7



# Inverse Universe

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



70216B



91168A



704C21



383238



780070

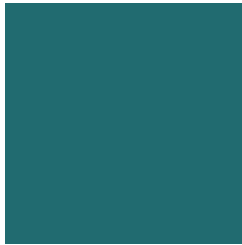


F700E8



# Previews

## White Background



This preview shows how the Hex color 216B70 looks on a white background.

## Color Contrast Check

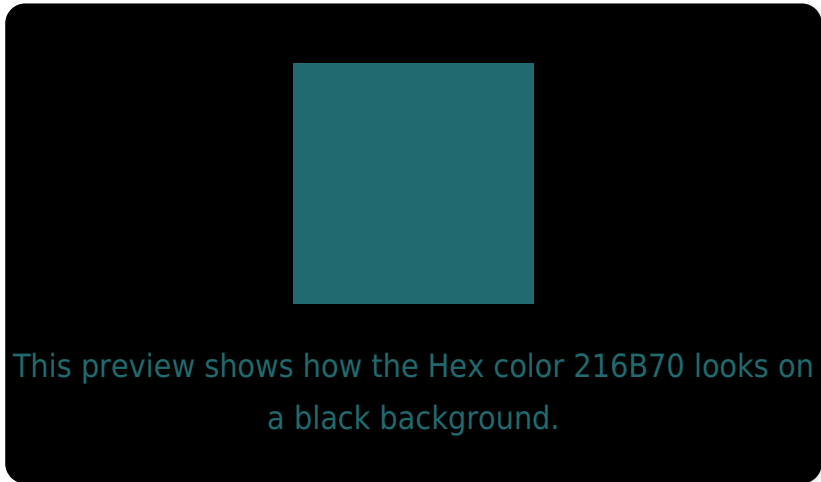
Large Text (above 18pt) WCAG AA ✓ Pass

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

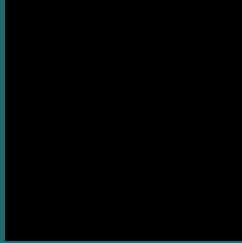
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 216B70 Background



This preview shows how black text looks on a background with the Hex color 216B70.

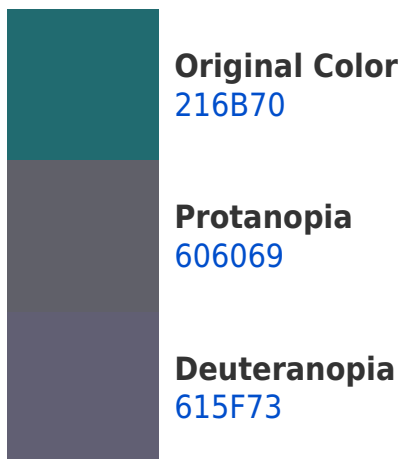



This preview shows how white text looks on a background with the Hex color 216B70.

# 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**  
236B73

# Trichromacy



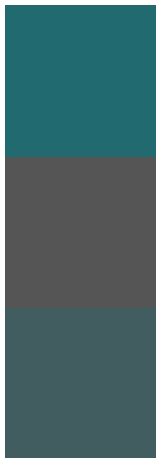
**Original Color**  
216B70

**Protanomaly**  
49646C

**Deuteranomaly**  
4A6372

**Tritanomaly**  
226B72

# Monochromacy



**Original Color**  
216B70

**Achromatopsia**  
555555

**Achromatomaly**  
425D5F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 216B70 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 #216B70 looks like.

```
.text, #text, p{  
    color:#216B70  
}
```

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 #216B70 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #216B70  
}
```

## Border

The CSS property to change the border of an element to Hex 216B70 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  
#216B70 }
```

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

```
.border{ border-color:#216B70 }
```

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

Here you see how a box with a 4 pixel #216B70 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #216B70; -webkit-box-shadow:4px 4px  
4px 4px #216B70; box-shadow:4px 4px 4px  
4px #216B70 }
```

# Background

The CSS property to change the background color of an element to Hex 216B70 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#216B70 }
```

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

```
.background{ background-color:#216B70 }
```

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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