

# Converting Colors

Hex(216B71)

Have a look what the booklet for  
Hex(216B71) contains.

<b>Hex(216B71)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(216B71)**

# Conversions

## Conversions Part 1

Format	Color
Hex	216B71
RGB	33, 107, 113
RGB Percent	13%, 42%, 44%
CMY	0.8706, 0.5804, 0.5569
CMYK	0.71, 0.05, 0.00, 0.56
HSL	184°, 55%, 29%
HSV	184°, 71%, 44%
XYZ	8.8655, 12.0310, 17.4777
YIQ	85.5580, -46.0300, -13.8220

# Conversions

## Conversions Part 2

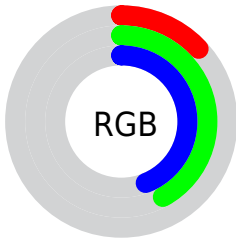
<b>Format</b>	<b>Color</b>
<b>RYB</b>	33, 71, 113
Decimal	2190193
CIELab	41.27, -20.08, -9.96
CIELCh	41, 22.412, 206.387
Yxy	12.0310, 0.2310, 0.3135
Android (android.graphics.Color)	4280380273 (0xFF216B71)
YUV	85.5580, 13.5289, -46.0934
Hunter-Lab	34.6857, -15.0761, -5.5956

# Details

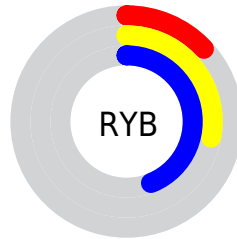
The Hex color **216B71** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **712721**, and the grayscale version is **555555**.

A 20% lighter version of the original color is **5A9FA5**, and **003B41** is the 20% darker color. If you saturate the color by 10%, you get **166A71**, and if you desaturate by 10%, it is **2C6C71**.

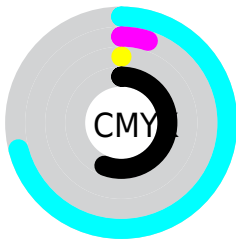
# Distribution



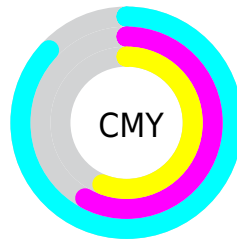
- Red (13%)
- Green (42%)
- Blue (44%)



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



- Cyan (71%)
- Magenta (5%)
- Yellow (0%)
- Black (56%)



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

# Brightness & Saturation Gradients

These gradients show how the Hex color 216B71 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 216B71 by changing the saturation by 10% instead.



■ 216B71

■ 216B71

FFFFFF

■ 005359

■ 5A9FA5

■ 003B41

■ 75BAC0

■ 00252B

■ 90D6DC

■ 000A17

■ ACF2F8

■ 000000

■ C9FFFF

■ E6FFFF

■ 216B71

■ 216B71

■ 166A71

■ 2C6C71

■ 0A6971

■ 386D71

■ 006971

■ 436E71

■ 4E6E71

■ 5A6F71

■ 657071

■ 707171

■ 7B7271

■ 877371

# Harmonies

## Analogous

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



316B5E



216B71



2A697F

# Triad

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



216B71



775776



705F3D

# Complementary

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



216B71



712721

# 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.



7E5943



216B71



835464

# Square

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



216B71



615D82



855452



5D6540

# Rectangle

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



216B71



3B6685



855452



755D3E



# Sweetspot

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



216B71



759294



217126



37494A



C9C9C9



4A4A4A



# Same Dimension

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



216B71



168A94



214471



323838



006F78



00E5F7



# Inverse Universe

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



71216B



94168A



714E21



383238



78006F

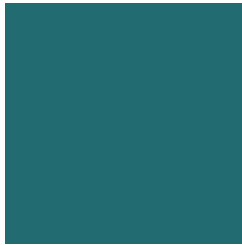


F700E5



# Previews

## White Background



This preview shows how the Hex color 216B71 looks on a white background.

## Color Contrast Check

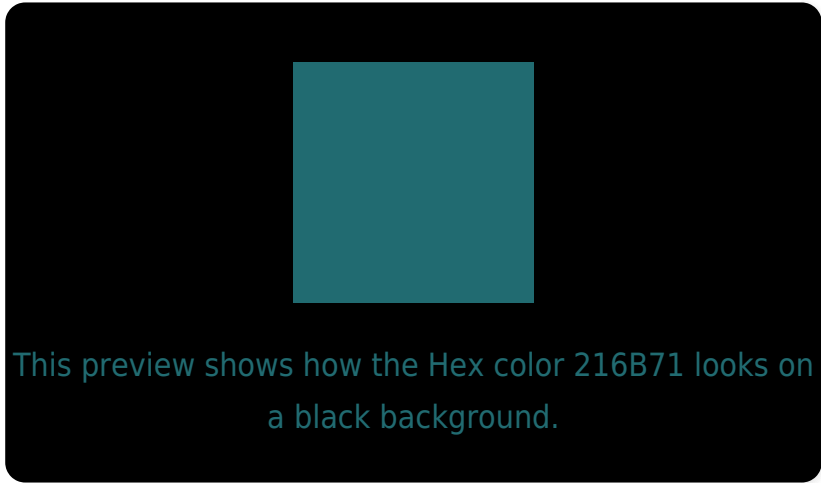
Large Text (above 18pt) WCAG AA ✓ Pass

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

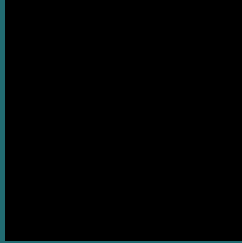
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

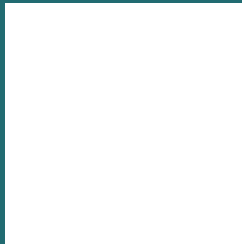
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 216B71 Background



This preview shows how black text looks on a background with the Hex color 216B71.



This preview shows how white text looks on a background with the Hex color 216B71.

# 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



**Original Color**  
216B71

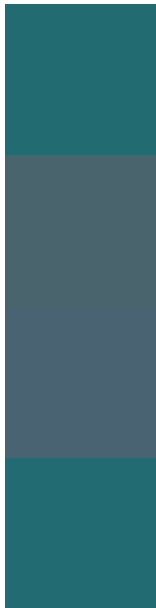
**Protanopia**  
60606A

**Deuteranopia**  
615F74



**Tritanopia**  
226B73

# Trichromacy



**Original Color**  
216B71

**Protanomaly**  
49646D

**Deuteranomaly**  
4A6373

**Tritanomaly**  
226B72

# Monochromacy



**Original Color**  
216B71

**Achromatopsia**  
565656

**Achromatomaly**  
435E60

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 216B71 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 #216B71 looks like.

```
.text, #text, p{  
    color:#216B71  
}
```

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 #216B71 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #216B71
}
```

## Border

The CSS property to change the border of an element to Hex 216B71 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
#216B71 }
```

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

```
.border{ border-color:#216B71 }
```

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

Here you see how a box with a 4 pixel #216B71 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #216B71; -webkit-box-shadow:4px 4px  
4px 4px #216B71; box-shadow:4px 4px 4px  
4px #216B71 }
```

# Background

The CSS property to change the background color of an element to Hex 216B71 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#216B71 }
```

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

```
.background{ background-color:#216B71 }
```

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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