

# Converting Colors

Hex(216F58)

Have a look what the booklet for  
Hex(216F58) contains.

<b>Hex(216F58)</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(216F58)**

# Conversions

## Conversions Part 1

Format	Color
Hex	216F58
RGB	33, 111, 88
RGB Percent	13%, 44%, 35%
CMY	0.8706, 0.5647, 0.6549
CMYK	0.70, 0.00, 0.21, 0.56
HSL	162°, 54%, 28%
HSV	162°, 70%, 44%
XYZ	8.0731, 12.3968, 11.1998
YIQ	85.0560, -39.1050, -23.6890

# Conversions

## Conversions Part 2

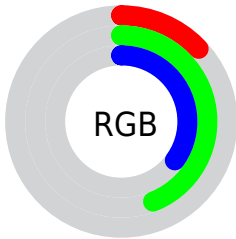
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	33, 79, 111
Decimal	2191192
CIE Lab	41.84, -29.52, 6.02
CIE LCh	42, 30.129, 168.484
Yxy	12.3968, 0.2549, 0.3914
Android (android.graphics.Color)	4280381272 (0xFF216F58)
YUV	85.0560, 1.4514, -45.6531
Hunter-Lab	35.2091, -20.6876, 5.7865

# Details

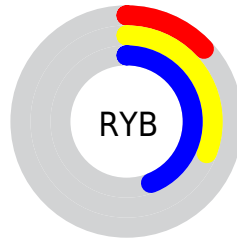
The Hex color **216F58** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **6F2138**, and the grayscale version is **555555**.

A 20% lighter version of the original color is **58A38A**, and **003E2B** is the 20% darker color. If you saturate the color by 10%, you get **166F55**, and if you desaturate by 10%, it is **2C6F5B**.

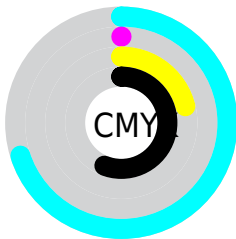
# Distribution



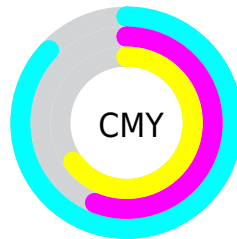
- Red (13%)
- Green (44%)
- Blue (35%)



- Red (13%)
- Yellow (31%)
- Blue (44%)



- Cyan (70%)
- Magenta (0%)
- Yellow (21%)
- Black (56%)



- Cyan (87%)
- Magenta (56%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 216F58 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 216F58 by changing the saturation by 10% instead.



 216F58

 216F58

FFFFFF

 005641

 58A38A

 003E2B

 73BFA4

 002816

 8EDBBF

 000C00

 AAF7DB

 000000

 C6FFF8

 E3FFFF

 216F58

 216F58

 166F55

 2C6F5B

■ 0B6F51

■ 376F5F

■ 006F4E

■ 426F62

■ 4D6F65

■ 596F68

■ 646F6C

■ 6F6F6F

■ 7A6F72

■ 856F75

# Harmonies

## Analogous

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



476C41



216F58



007072

# Triad

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



216F58



566092



8B553F

# Complementary

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



216F58



6F2138

# 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.



924F54



216F58



785784

# Square

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



216F58



246893



8C506D



7A5E32

# Rectangle

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



216F58



006E81



8C506D



8F5345



# Sweetspot

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



216F58



739188



386F21



374A44



C9C9C9



4A4A4A



# Same Dimension

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



216F58



17916D



215F6F



323836



007855



00F7AE



# Inverse Universe

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



6F2138



91173B



6F3121



383234



780023



F70049



# Previews

## White Background



This preview shows how the Hex color 216F58 looks on a white background.

## Color Contrast Check

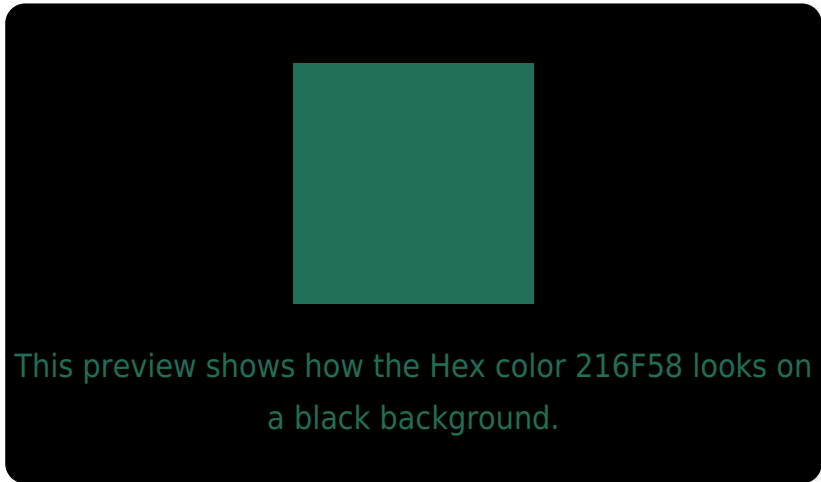
Large Text (above 18pt) WCAG AA ✓ Pass

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

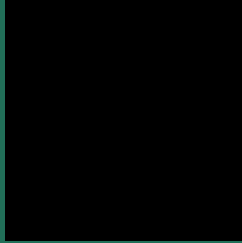
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 216F58 Background



This preview shows how black text looks on a background with the Hex color 216F58.



This preview shows how white text looks on a background with the Hex color 216F58.

# 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**  
216F58

**Protanopia**  
686251

**Deuteranopia**  
6E5F5C



**Tritanopia**  
2E6B74

# Trichromacy



**Original Color**  
216F58

**Protanomaly**  
4E6754

**Deuteranomaly**  
52655B

**Tritanomaly**  
296C6A

# Monochromacy



**Original Color**  
216F58

**Achromatopsia**  
555555

**Achromatomaly**  
425E56

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 216F58 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 #216F58 looks like.

```
.text, #text, p{  
    color:#216F58  
}
```

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 #216F58 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #216F58  
}
```

## Border

The CSS property to change the border of an element to Hex 216F58 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  
#216F58 }
```

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

```
.border{ border-color:#216F58 }
```

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

Here you see how a box with a 4 pixel #216F58 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #216F58; -webkit-box-shadow:4px 4px  
4px 4px #216F58; box-shadow:4px 4px 4px  
4px #216F58 }
```

# Background

The CSS property to change the background color of an element to Hex 216F58 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#216F58 }
```

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

```
.background{ background-color:#216F58 }
```

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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