

# Converting Colors

Hex(216A59)

Have a look what the booklet for  
Hex(216A59) contains.

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# Color

Hex(216A59)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	216A59
RGB	33, 106, 89
RGB Percent	13%, 42%, 35%
CMY	0.8706, 0.5843, 0.6510
CMYK	0.69, 0.00, 0.16, 0.58
HSL	166°, 53%, 27%
HSV	166°, 69%, 42%
XYZ	7.5844, 11.3527, 11.2427
YIQ	82.2350, -38.0510, -20.7630

# Conversions

## Conversions Part 2

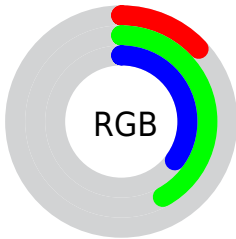
<b>Format</b>	<b>Color</b>
<b>RYB</b>	33, 74, 106
Decimal	2189913
CIELab	40.17, -26.84, 3.01
CIElCh	40, 27.012, 173.595
Yxy	11.3527, 0.2513, 0.3762
Android (android.graphics.Color)	4280379993 (0xFF216A59)
YUV	82.2350, 3.3351, -43.1791
Hunter-Lab	33.6937, -18.7839, 3.8020

# Details

The Hex color **216A59** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **6A2132**, and the grayscale version is **525252**.

A 20% lighter version of the original color is **589E8B**, and **003A2C** is the 20% darker color. If you saturate the color by 10%, you get **166A57**, and if you desaturate by 10%, it is **2C6A5B**.

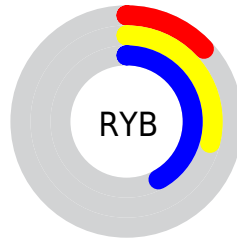
# Distribution



Red (13%)

Green (42%)

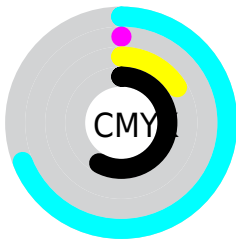
Blue (35%)



Red (13%)

Yellow (29%)

Blue (42%)

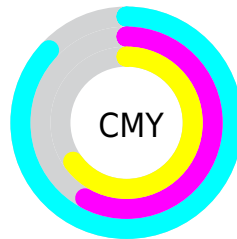


Cyan (69%)

Magenta (0%)

Yellow (16%)

Black (58%)



Cyan (87%)

Magenta (58%)


Yellow (65%)


# Brightness & Saturation Gradients

These gradients show how the Hex color 216A59 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 216A59 by changing the saturation by 10% instead.



 216A59

 216A59

FFFFFF

 005142

 589E8B

 003A2C

 72B9A5

 002417

 8DD5C0


 000100

 A9F1DC

 000000

 C5FFF9

 E2FFFF

 216A59

 216A59

 166A57

 2C6A5B

■ 0C6A54

■ 366A5E

■ 016A52

■ 416A60

■ 006A51

■ 4B6A63

■ 566A65

■ 616A68

■ 6B6A6A

■ 766A6D

■ 806A6F

# Harmonies

## Analogous

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



416844



216A59



006A70

# Triad

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



216A59



5A5B87



81543C

# Complementary

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



216A59



6A2132

# 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.



894E4E



216A59



765379

# Square

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



216A59



34628A



864E64



715C32

# Rectangle

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



216A59



00697C



864E64



855241



# Sweetspot

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



216A59



6D8A83



326A21



344541



C4C4C4



454545



# Same Dimension

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



216A59



178A6F



21576A



303634



00755A



00F5BC



# Inverse Universe

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



6A2132



8A1732



6A3421



363031



75001B



F50039



# Previews

## White Background



This preview shows how the Hex color 216A59 looks on a white background.

## Color Contrast Check

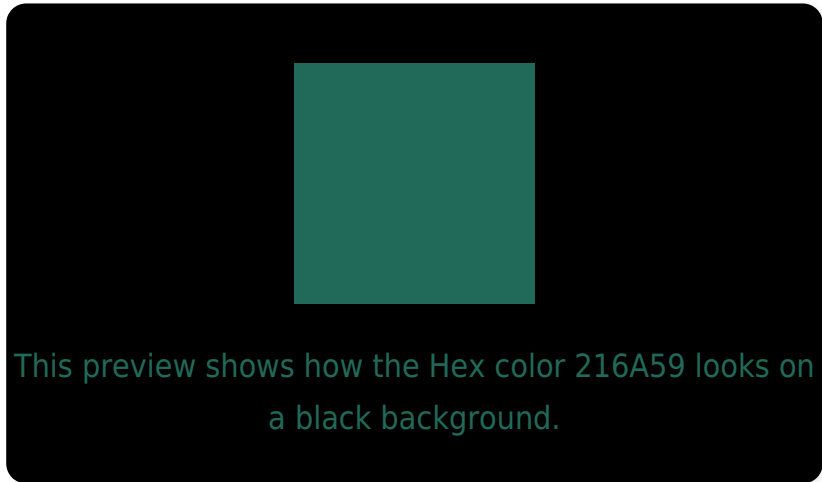
Large Text (above 18pt) WCAG AA ✓ Pass

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

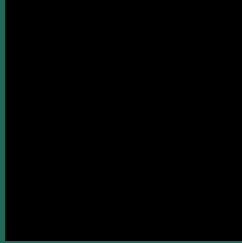
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 216A59 Background



This preview shows how black text looks on a background with the Hex color 216A59.



This preview shows how white text looks on a background with the Hex color 216A59.

# 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**  
216A59

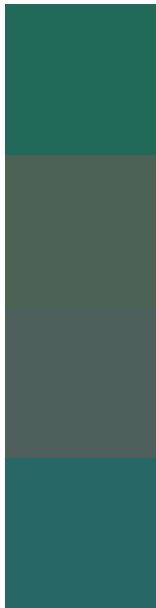
**Protanopia**  
635E53

**Deuteranopia**  
685B5C



**Tritanopia**  
2B676F

# Trichromacy



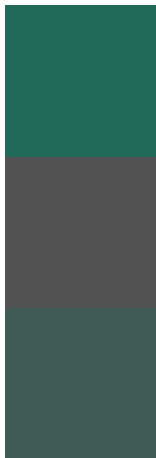
**Original Color**  
216A59

**Protanomaly**  
4B6255

**Deuteranomaly**  
4E605B

**Tritanomaly**  
276867

# Monochromacy



**Original Color**  
216A59

**Achromatopsia**  
525252

**Achromatomaly**  
405B55

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 216A59 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 #216A59 looks like.

```
.text, #text, p{  
    color:#216A59  
}
```

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 #216A59 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #216A59
}
```

## Border

The CSS property to change the border of an element to Hex 216A59 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
#216A59 }
```

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

```
.border{ border-color:#216A59 }
```

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

Here you see how a box with a 4 pixel #216A59 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #216A59; -webkit-box-shadow:4px 4px  
4px 4px #216A59; box-shadow:4px 4px 4px  
4px #216A59 }
```

# Background

The CSS property to change the background color of an element to Hex 216A59 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#216A59 }
```

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

```
.background{ background-color:#216A59 }
```

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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