

# Converting Colors

Hex(216E86)

Have a look what the booklet for  
Hex(216E86) contains.

<b>Hex(216E86)</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(216E86)**

# Conversions

## Conversions Part 1

Format	Color
Hex	216E86
RGB	33, 110, 134
RGB Percent	13%, 43%, 53%
CMY	0.8706, 0.5686, 0.4745
CMYK	0.75, 0.18, 0.00, 0.47
HSL	194°, 60%, 33%
HSV	194°, 75%, 53%
XYZ	10.5062, 13.1964, 24.5477
YIQ	89.7130, -53.5960, -8.8600

# Conversions

## Conversions Part 2

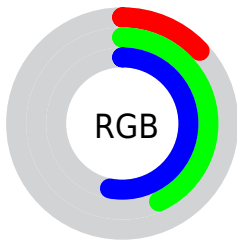
<b>Format</b>	<b>Color</b>
<b>RYB</b>	33, 77, 134
Decimal	2190982
CIELab	43.06, -14.60, -19.90
CIELCh	43, 24.682, 233.738
Yxy	13.1964, 0.2177, 0.2735
Android (android.graphics.Color)	4280381062 (0xFF216E86)
YUV	89.7130, 21.8335, -49.7373
Hunter-Lab	36.3269, -11.9475, -14.6361

# Details

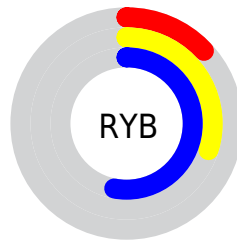
The Hex color **216E86** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **863921**, and the grayscale version is **5A5A5A**.

A 20% lighter version of the original color is **5DA2BB**, and **003E54** is the 20% darker color. If you saturate the color by 10%, you get **146B86**, and if you desaturate by 10%, it is **2E7186**.

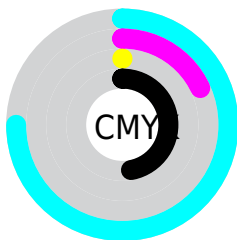
# Distribution



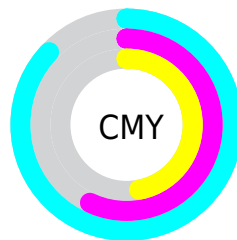
- Red (13%)
- Green (43%)
- Blue (53%)



- Red (13%)
- Yellow (30%)
- Blue (53%)



- Cyan (75%)
- Magenta (18%)
- Yellow (0%)
- Black (47%)



- Cyan (87%)
- Magenta (57%)
- Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 216E86 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 216E86 by changing the saturation by 10% instead.



■ 216E86

■ 216E86

FFFFFF

■ 00566D

■ 5DA2BB

■ 003E54

■ 79BDD7

■ 00283D

■ 95D9F3

■ 001427

■ B1F5FF

■ 000112

■ CEFFFF

■ 000000

■ EBFFFF

■ 216E86

■ 216E86

■ 146B86

■ 2E7186

066886

3C7486

006686

497886

577B86

647E86

718186

7F8486

8C8786

9A8B86

# Harmonies

## Analogous

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



197075



216E86



42698E

# Triad

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



216E86



8A566B



636940

# Complementary

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



216E86



863921

# 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.



77633D



216E86



8E5756

# Square

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



216E86



7B5B7E



865C46



4B6E4D

# Rectangle

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



216E86



58648D



865C46



6A673E



# Sweetspot

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



216E86



86A4AD



218639



3E5157



D6D6D6



575757



# Same Dimension

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



216E86



1188AD



213C86



3C4142



006382



000203



# Inverse Universe

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



86216E



AD1188



866B21



423C41



820063



030002



# Previews

## White Background



This preview shows how the Hex color 216E86 looks on a white background.

## Color Contrast Check

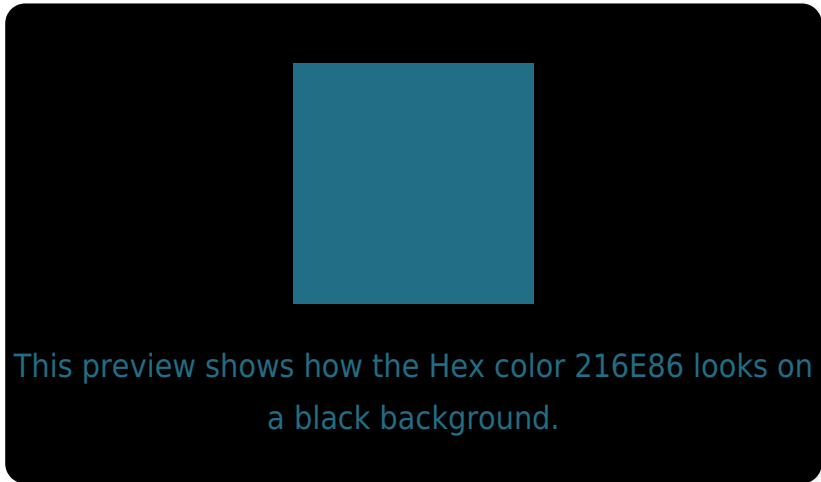
Large Text (above 18pt) WCAG AA ✓ Pass

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

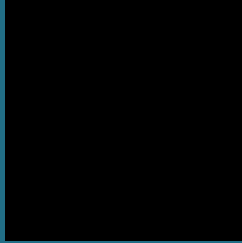
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 216E86 Background



This preview shows how black text looks on a background with the Hex color 216E86.

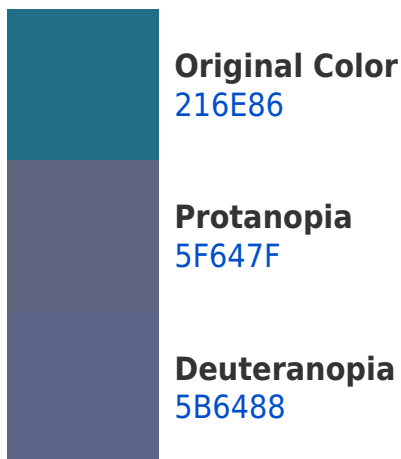


This preview shows how white text looks on a background with the Hex color 216E86.

# 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](#).

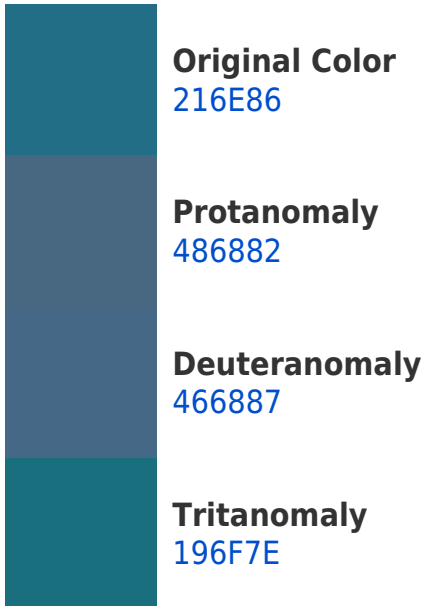
## Dichromacy



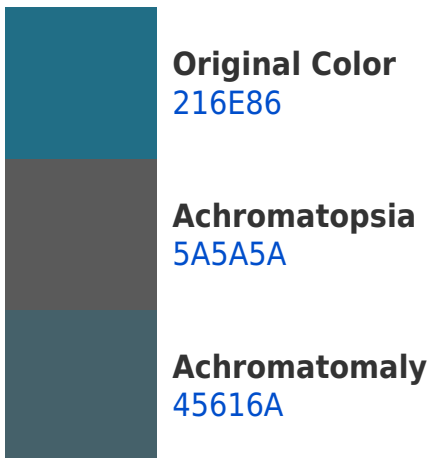


**Tritanopia**  
157079

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 216E86 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 #216E86 looks like.

```
.text, #text, p{  
    color:#216E86  
}
```

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 #216E86 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #216E86
}
```

## Border

The CSS property to change the border of an element to Hex 216E86 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
#216E86 }
```

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

```
.border{ border-color:#216E86 }
```

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

Here you see how a box with a 4 pixel #216E86 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #216E86; -webkit-box-shadow:4px 4px  
4px 4px #216E86; box-shadow:4px 4px 4px  
4px #216E86 }
```

# Background

The CSS property to change the background color of an element to Hex 216E86 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#216E86 }
```

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

```
.background{ background-color:#216E86 }
```

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