

# Converting Colors

Hex(216E33)

Have a look what the booklet for  
Hex(216E33) contains.

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# Color

Hex(216E33)

# Conversions

## Conversions Part 1

Format	Color
Hex	216E33
RGB	33, 110, 51
RGB Percent	13%, 43%, 20%
CMY	0.8706, 0.5686, 0.8000
CMYK	0.70, 0.00, 0.54, 0.57
HSL	134°, 54%, 28%
HSV	134°, 70%, 43%
XYZ	6.8007, 11.7142, 5.0346
YIQ	80.2510, -26.9530, -34.6730

# Conversions

## Conversions Part 2

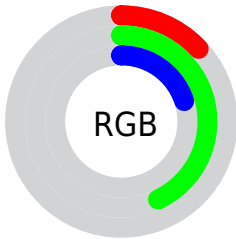
<b>Format</b>	<b>Color</b>
<b>RYB</b>	33, 95, 110
Decimal	2190899
CIELab	40.76, -37.07, 26.07
CIElCh	41, 45.324, 144.880
Yxy	11.7142, 0.2888, 0.4974
Android (android.graphics.Color)	4280380979 (0xFF216E33)
YUV	80.2510, -14.4207, -41.4391
Hunter-Lab	34.2260, -24.4278, 15.2367

# Details

The Hex color **216E33** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **6E215C**, and the grayscale version is **505050**.

A 20% lighter version of the original color is **58A263**, and **003D05** is the 20% darker color. If you saturate the color by 10%, you get **166E2B**, and if you desaturate by 10%, it is **2C6E3B**.

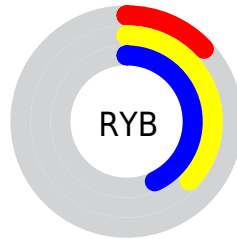
# Distribution



Red (13%)

Green (43%)

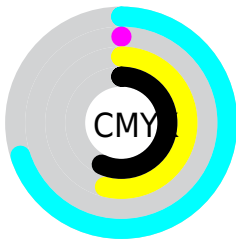
Blue (20%)



Red (13%)

Yellow (37%)

Blue (43%)

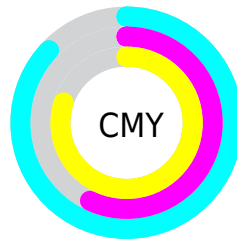


Cyan (70%)

Magenta (0%)

Yellow (54%)

Black (57%)



Cyan (87%)

Magenta (57%)


Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 216E33 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 216E33 by changing the saturation by 10% instead.



 216E33

 216E33

FFFFFF

 00551C

 58A263

 003D05

 73BE7C

 002800

 8EDA96


 000500

 AAF7B1

 000000

 C6FFCD

 E3FFE9

 216E33

 216E33

 166E2B

 2C6E3B

■ 0B6E22

■ 376E44

■ 006E1A

■ 426E4C

■ 4D6E55

■ 586E5D

■ 636E66

■ 6E6E6E

■ 796E76

■ 846E7F

# Harmonies

## Analogous

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



556715



216E33



007158

# Triad

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



216E33



0066AA



A24043

# Complementary

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



216E33



6E215C

# 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.



9F3D68



216E33



5459A4

# Square

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



216E33



006E9C



87498B



934D23

# Rectangle

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



216E33



007272



87498B



A33D4F



# Sweetspot

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



216E33



718F78



5C6E21



36473A



C7C7C7



474747



# Same Dimension

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



216E33



178F33



216E59



323834



00781C



00F73A



# Inverse Universe

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



6E215C



8F1773



6E2136



383237



78005C



F700BE



# Previews

## White Background



This preview shows how the Hex color 216E33 looks on a white background.

## Color Contrast Check

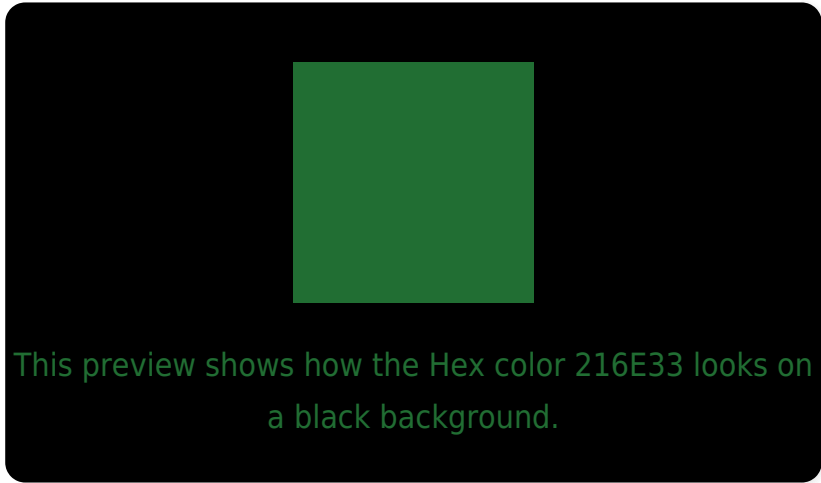
Large Text (above 18pt) WCAG AA ✓ Pass

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 216E33 Background



This preview shows how black text looks on a background with the Hex color 216E33.



This preview shows how white text looks on a background with the Hex color 216E33.

# 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**  
216E33

**Protanopia**  
6A602E

**Deuteranopia**  
745B38



**Tritanopia**  
346770

# Trichromacy



**Original Color**  
216E33

**Protanomaly**  
4F6530

**Deuteranomaly**  
566236

**Tritanomaly**  
2D6A5A

# Monochromacy



**Original Color**  
216E33

**Achromatopsia**  
505050

**Achromatomaly**  
3F5B45

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 216E33 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 #216E33 looks like.

```
.text, #text, p{  
    color:#216E33  
}
```

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 #216E33 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #216E33 }  
}
```

## Border

The CSS property to change the border of an element to Hex 216E33 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 #216E33 }  
}
```

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

```
.border{ border-color:#216E33 }
```

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

Here you see how a box with a 4 pixel #216E33 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #216E33; -webkit-box-shadow:4px 4px  
4px 4px #216E33; box-shadow:4px 4px 4px  
4px #216E33 }
```

# Background

The CSS property to change the background color of an element to Hex 216E33 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#216E33 }
```

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

```
.background{ background-color:#216E33 }
```

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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