

# Converting Colors

Hex(216945)

Have a look what the booklet for  
Hex(216945) contains.

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# Color

Hex(216945)

# Conversions

## Conversions Part 1

Format	Color
Hex	216945
RGB	33, 105, 69
RGB Percent	13%, 41%, 27%
CMY	0.8706, 0.5882, 0.7294
CMYK	0.69, 0.00, 0.34, 0.59
HSL	150°, 52%, 27%
HSV	150°, 69%, 41%
XYZ	6.7530, 10.8562, 7.3698
YIQ	79.3680, -31.3560, -26.4600

# Conversions

## Conversions Part 2

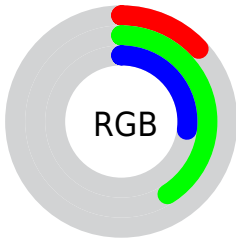
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	33, 81, 105
Decimal	2189637
CIE <sub>Lab</sub>	39.34, -31.43, 13.90
CIE <sub>LCh</sub>	39, 34.371, 156.142
Yxy	10.8562, 0.2703, 0.4346
Android (android.graphics.Color)	4280379717 (0xFF216945)
YUV	79.3680, -5.1114, -40.6647
Hunter-Lab	32.9487, -21.0760, 9.8025

# Details

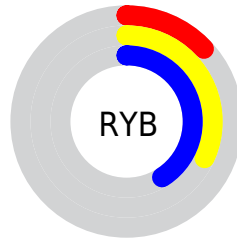
The Hex color **216945** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **692145**, and the grayscale version is **4F4F4F**.

A 20% lighter version of the original color is **579D75**, and **003919** is the 20% darker color. If you saturate the color by 10%, you get **176940**, and if you desaturate by 10%, it is **2B694A**.

# Distribution



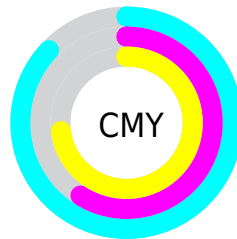
- Red (13%)
- Green (41%)
- Blue (27%)



- Red (13%)
- Yellow (32%)
- Blue (41%)



- Cyan (69%)
- Magenta (0%)
- Yellow (34%)
- Black (59%)




- Cyan (87%)
- Magenta (59%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 216945 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 216945 by changing the saturation by 10% instead.



 216945


 216945

FFFFFF

 00502F

 579D75

 003919

 71B88F

 002400

 8CD4AA

 000000

 A7F0C5

 C3FFE1

 E0FFE

 F0FFF

 216945

 216945

■ 176940

■ 2B694A

■ 0C693B

■ 36694F

■ 026935

■ 416955

■ 006935

■ 4B695A

■ 56695F

■ 606965

■ 6A696A

■ 75696F

■ 806974

# Harmonies

## Analogous

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



4A652E



216945



006B62

# Triad

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



216945



355E94



8E493D

# Complementary

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



216945



692145

# 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.



904458



216945



66538A

# Square

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



216945



00668F



844974



7F5329

# Rectangle

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



216945



006A74



844974



904746



# Sweetspot

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



216945



6D8A7B



456921



34453C



C4C4C4



454545



# Same Dimension

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



216945



198A51



216969



303633



00753B



00F57A



# Inverse Universe

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



692145



8A1951



692121



363033



75003B

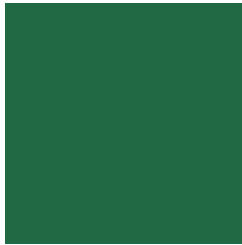


F5007A



# Previews

## White Background



This preview shows how the Hex color 216945 looks on a white background.

## Color Contrast Check

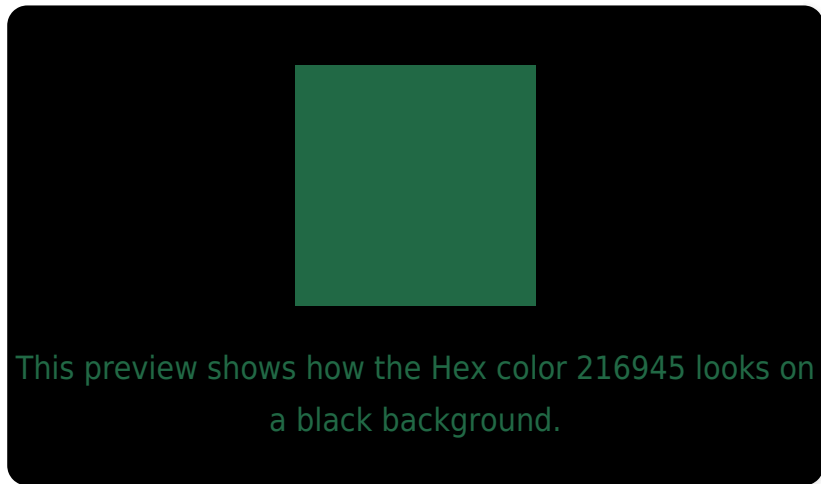
Large Text (above 18pt) WCAG AA ✓ Pass

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

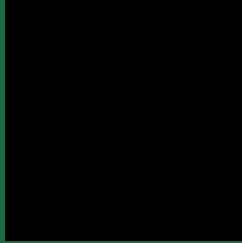
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 216945 Background



This preview shows how black text looks on a background with the Hex color 216945.



This preview shows how white text looks on a background with the Hex color 216945.

# 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**  
216945

**Protanopia**  
645C40

**Deuteranopia**  
6C5949



**Tritanopia**  
30646C

# Trichromacy



**Original Color**  
216945

**Protanomaly**  
4C6142

**Deuteranomaly**  
515F48

**Tritanomaly**  
2B665E

# Monochromacy



**Original Color**  
216945

**Achromatopsia**  
4F4F4F

**Achromatomaly**  
3E584B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 216945 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 #216945 looks like.

```
.text, #text, p{  
    color:#216945  
}
```

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 #216945 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #216945
}
```

## Border

The CSS property to change the border of an element to Hex 216945 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
#216945 }
```

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

```
.border{ border-color:#216945 }
```

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

Here you see how a box with a 4 pixel #216945 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #216945; -webkit-box-shadow:4px 4px  
4px 4px #216945; box-shadow:4px 4px 4px  
4px #216945 }
```

# Background

The CSS property to change the background color of an element to Hex 216945 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#216945 }
```

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

```
.background{ background-color:#216945 }
```

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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