

# Converting Colors

Hex(215836)

Have a look what the booklet for  
Hex(215836) contains.

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# Color

Hex(215836)

# Conversions

## Conversions Part 1

Format	Color
Hex	215836
RGB	33, 88, 54
RGB Percent	13%, 35%, 21%
CMY	0.8706, 0.6549, 0.7882
CMYK	0.62, 0.00, 0.39, 0.65
HSL	143°, 45%, 24%
HSV	143°, 62%, 35%
XYZ	4.7828, 7.5691, 4.6989
YIQ	67.6790, -21.8660, -22.2340

# Conversions

## Conversions Part 2

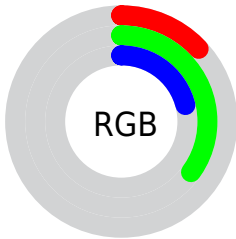
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	33, 73, 88
Decimal	2185270
CIE <sub>Lab</sub>	33.07, -26.91, 14.45
CIE <sub>LCh</sub>	33, 30.544, 151.767
Yxy	7.5691, 0.2805, 0.4439
Android (android.graphics.Color)	4280375350 (0xFF215836)
YUV	67.6790, -6.7437, -30.4135
Hunter-Lab	27.5120, -17.1151, 9.1320

# Details

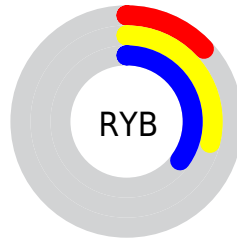
The Hex color **215836** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **582143**, and the grayscale version is **444444**.

A 20% lighter version of the original color is **538A65**, and **002A0A** is the 20% darker color. If you saturate the color by 10%, you get **185831**, and if you desaturate by 10%, it is **2A583B**.

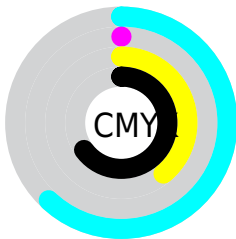
# Distribution



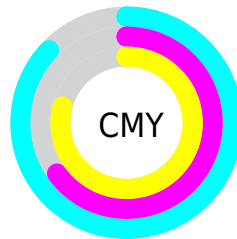
- Red (13%)
- Green (35%)
- Blue (21%)



- Red (13%)
- Yellow (29%)
- Blue (35%)



- Cyan (62%)
- Magenta (0%)
- Yellow (39%)
- Black (65%)



- Cyan (87%)
- Magenta (65%)
- Yellow (79%)


# Brightness & Saturation Gradients

These gradients show how the Hex color 215836 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 215836 by changing the saturation by 10% instead.



 215836

 215836

FFFFFF

 034020

 538A65

 002A0A

 6DA57E

 001300

 87C098


 000000

 A2DCB3

 BEF9CE

 DAF FEB

 F7FFFF

 215836

 215836

■ 185831

■ 2A583B

■ 0F582B

■ 335841

■ 075826

■ 3B5846

■ 005822

■ 44584C

■ 4D5851

■ 565857

■ 5F585C

■ 675862

■ 705867

# Harmonies

## Analogous

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



425423



215836



005A4E

# Triad

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



215836



22507E



793C36

# Complementary

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



215836



582143

# 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.



7A394D



215836



514777

# Square

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



215836



005678



6D3E65



6E4423

# Rectangle

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



215836



005A5F



6D3E65



7B3A3D



# Sweetspot

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



215836



5D7365



445821



2D3B32



BABABA



3B3B3B



# Same Dimension

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



215836



1D733E



215851



272B29



006B29



00EB5A



# Inverse Universe

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



582143



731D52



582128



2B272A



6B0042

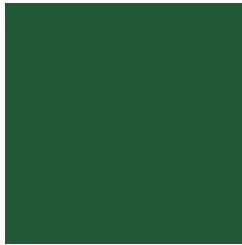


EB0091



# Previews

## White Background



This preview shows how the Hex color 215836 looks on a white background.

## Color Contrast Check

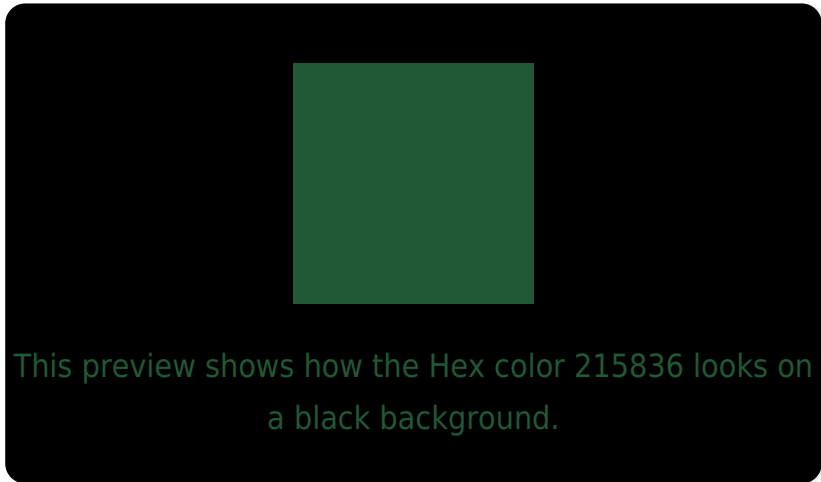
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

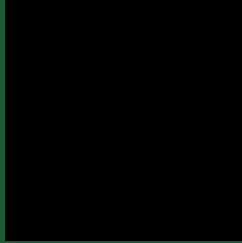
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 215836 Background



This preview shows how black text looks on a background with the Hex color 215836.



This preview shows how white text looks on a background with the Hex color 215836.

# 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](#).

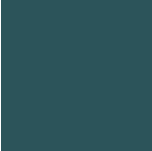
## Dichromacy



**Original Color**  
215836

**Protanopia**  
544D32

**Deuteranopia**  
5C4A39



**Tritanopia**  
2C545A

# Trichromacy



**Original Color**  
215836

**Protanomaly**  
415133

**Deuteranomaly**  
474F38

**Tritanomaly**  
28554D

# Monochromacy



**Original Color**  
215836

**Achromatopsia**  
444444

**Achromatomaly**  
374B3F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 215836 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 #215836 looks like.

```
.text, #text, p{  
    color:#215836  
}
```

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 #215836 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #215836
}
```

## Border

The CSS property to change the border of an element to Hex 215836 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".

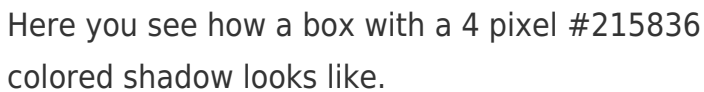
```
.border, #border, table{ border:4px solid
#215836 }
```

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

```
.border{ border-color:#215836 }
```

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

Here you see how a box with a 4 pixel #215836 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #215836; -webkit-box-shadow:4px 4px  
4px 4px #215836; box-shadow:4px 4px 4px  
4px #215836 }
```

# Background

The CSS property to change the background color of an element to Hex 215836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#215836 }
```

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

```
.background{ background-color:#215836 }
```

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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