

# Converting Colors

Hex(213218)

Have a look what the booklet for  
Hex(213218) contains.

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# Color

**Hex(213218)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	213218
RGB	33, 50, 24
RGB Percent	13%, 20%, 9%
CMY	0.8706, 0.8039, 0.9059
CMYK	0.34, 0.00, 0.52, 0.80
HSL	99°, 35%, 15%
HSV	99°, 52%, 20%
XYZ	1.9327, 2.6705, 1.2777
YIQ	41.9530, -1.7860, -11.6900

# Conversions

## Conversions Part 2

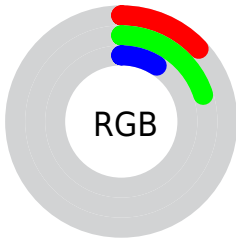
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	24, 50, 41
Decimal	2175512
CIE <sub>Lab</sub>	18.67, -12.98, 14.33
CIE <sub>LCh</sub>	19, 19.335, 132.166
Yxy	2.6705, 0.3286, 0.4541
Android (android.graphics.Color)	4280365592 (0xFF213218)
YUV	41.9530, -8.8508, -7.8518
Hunter-Lab	16.3416, -7.4872, 6.8033

# Details

The Hex color **213218** is a dark color, and the websafe version is hex **333300**. A complement of this color would be **291832**, and the grayscale version is **2A2A2A**.

A 20% lighter version of the original color is **4E6043**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **1E3213**, and if you desaturate by 10%, it is **24321D**.

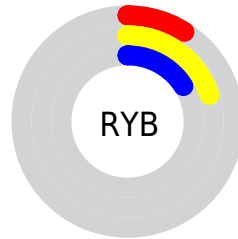
# Distribution



Red (13%)

Green (20%)

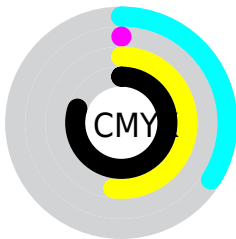
Blue (9%)



Red (9%)

Yellow (20%)

Blue (16%)

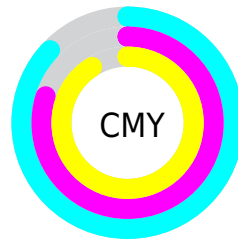


Cyan (34%)

Magenta (0%)

Yellow (52%)

Black (80%)



Cyan (87%)

Magenta (80%)


Yellow (91%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 213218 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 213218 by changing the saturation by 10% instead.



 213218

 213218

FFFFFFC

 0E1D00

 4E6043

 000000

 66795B

 809374


 9AAE8D

 B5C9A8

 D0E5C3

 EDFFDF

 213218

 213218

■ 1E3213

■ 24321D

■ 1A320E

■ 283222

■ 173209

■ 2B3227

■ 143204

■ 2E322C

■ 113200

■ 313231

■ 353236

■ 38323B

■ 3B3240

■ 3E3245

# Harmonies

## Analogous

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



302E11



213218



0C3424

# Triad

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



213218



003148



482228

# Complementary

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



213218



291832

# 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.



432336



213218



212D49

# Square

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



213218



003440



362842



45251B

# Rectangle

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



213218



00352E



362842



47222D



# Sweetspot

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



213218



394036



322918



1D211B



A1A1A1



212121



# Same Dimension

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



213218



264018



18321C



181A17



1F5900



4BD900



# Inverse Universe

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



291832



321840



32182E



19171A



3A0059

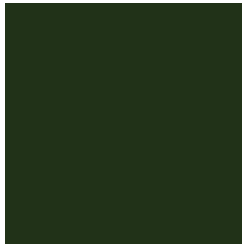


8E00D9



# Previews

## White Background



This preview shows how the Hex color 213218 looks on a white background.

## Color Contrast Check

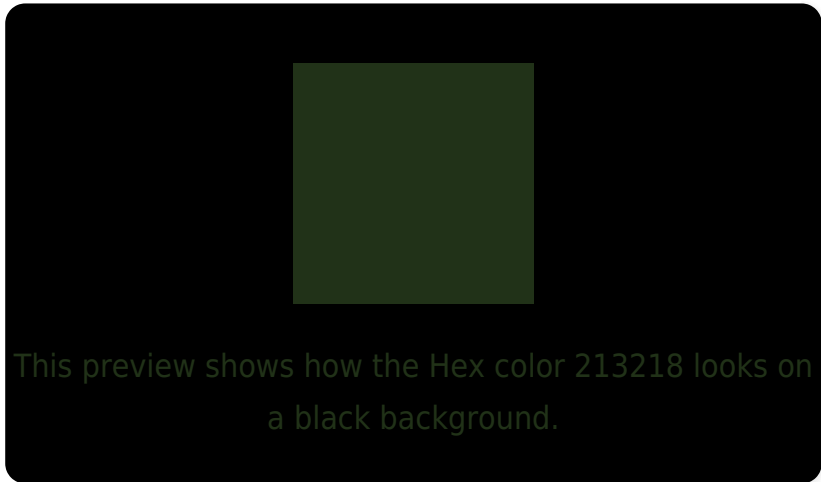
Large Text (above 18pt) WCAG AA ✓ Pass

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

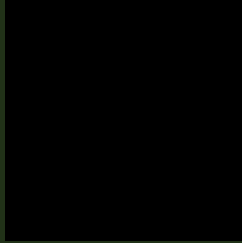
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 213218 Background



This preview shows how black text looks on a background with the Hex color 213218.



This preview shows how white text looks on a background with the Hex color 213218.

# 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**  
213218

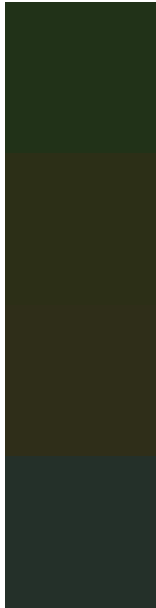
**Protanopia**  
322D16

**Deuteranopia**  
372B1A



**Tritanopia**  
252F33

# Trichromacy



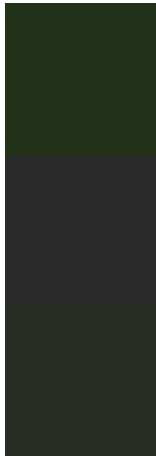
**Original Color**  
213218

**Protanomaly**  
2C2F17

**Deuteranomaly**  
2F2E19

**Tritanomaly**  
243029

# Monochromacy



**Original Color**  
213218

**Achromatopsia**  
2A2A2A

**Achromatomaly**  
272D23

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 213218 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 #213218 looks like.

```
.text, #text, p{  
    color:#213218  
}
```

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 #213218 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #213218
}
```

## Border

The CSS property to change the border of an element to Hex 213218 is called "border". The border property can be set on classes, ids or directly on the HTML element.

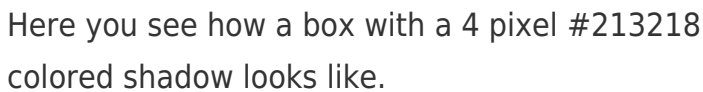
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#213218 }
```

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

```
.border{ border-color:#213218 }
```

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



Here you see how a box with a 4 pixel #213218 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #213218; -webkit-box-shadow:4px 4px  
4px 4px #213218; box-shadow:4px 4px 4px  
4px #213218 }
```

# Background

The CSS property to change the background color of an element to Hex 213218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#213218 }
```

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

```
.background{ background-color:#213218 }
```

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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