

# Converting Colors

Hex(213423)

Have a look what the booklet for  
Hex(213423) contains.

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# Color

Hex(213423)

# Conversions

## Conversions Part 1

Format	Color
Hex	213423
RGB	33, 52, 35
RGB Percent	13%, 20%, 14%
CMY	0.8706, 0.7961, 0.8627
CMYK	0.37, 0.00, 0.33, 0.80
HSL	126°, 22%, 17%
HSV	126°, 37%, 20%
XYZ	2.1586, 2.9007, 2.0362
YIQ	44.3810, -5.8670, -9.3150

# Conversions

## Conversions Part 2

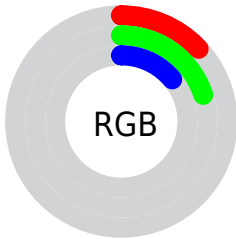
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	33, 50, 52
Decimal	2176035
CIE Lab	19.64, -12.03, 8.36
CIE LCh	20, 14.655, 145.197
Yxy	2.9007, 0.3042, 0.4088
Android (android.graphics.Color)	4280366115 (0xFF213423)
YUV	44.3810, -4.6248, -9.9811
Hunter-Lab	17.0313, -7.1816, 4.8334

# Details

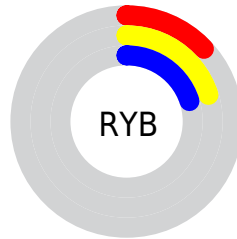
The Hex color **213423** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **342132**, and the grayscale version is **2C2C2C**.

A 20% lighter version of the original color is **4E634F**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **1C341E**, and if you desaturate by 10%, it is **263428**.

# Distribution



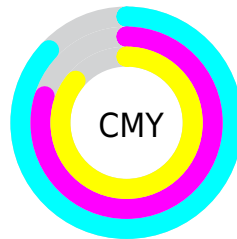
- Red (13%)
- Green (20%)
- Blue (14%)



- Red (13%)
- Yellow (20%)
- Blue (20%)



- Cyan (37%)
- Magenta (0%)
- Yellow (33%)
- Black (80%)



- Cyan (87%)
- Magenta (80%)
- Yellow (86%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 213423 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 213423 by changing the saturation by 10% instead.



■ 213423

■ 213423

FFFFFF

■ 0D1F0E

■ 4E634F

■ 000000

■ 667C68

■ 7F9581

■ 99B09B

■ B4CCB5

■ D0E8D1

■ ECF FED

■ 213423

■ 213423

■ 1C341E

■ 263428

■ 17341A

■ 2B342C

■ 113415

■ 313431

■ 0C3410

■ 363436

■ 07340C

■ 3B343A

■ 023407

■ 40343F

■ 003405

■ 453444

■ 4B3448

■ 50344D

# Harmonies

## Analogous

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



2D321C



213423



14352D

# Triad

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



213423



1E3145



442827

# Complementary

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



213423



342132

# 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.



432732



213423



2E2D43

# Square

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



213423



0D3441



3B2A3C



402B1E

# Rectangle

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



213423



0B3535



3B2A3C



45272A



# Sweetspot

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



213423



3D453E



323421



1F2420



A3A3A3



242424



# Same Dimension

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



213423



27452A



21342C



171A17



005909



00D917



# Inverse Universe

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



342132



452742



342129



1A1719



590050

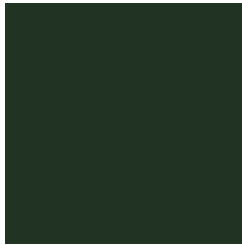


D900C2



# Previews

## White Background



This preview shows how the Hex color 213423 looks on a white background.

## Color Contrast Check

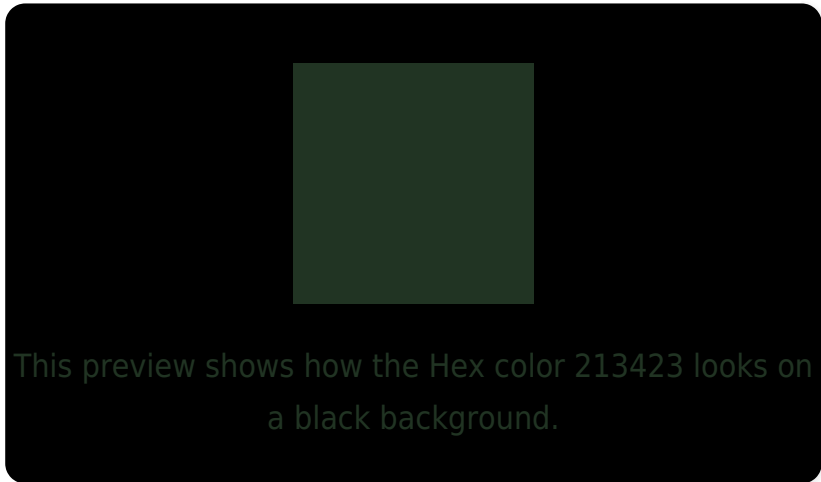
Large Text (above 18pt) WCAG AA ✓ Pass

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

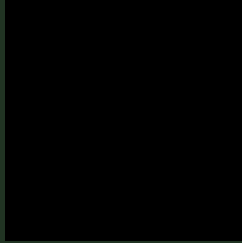
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 213423 Background



This preview shows how black text looks on a background with the Hex color 213423.

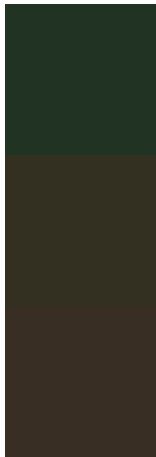


This preview shows how white text looks on a background with the Hex color 213423.

# 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](#).

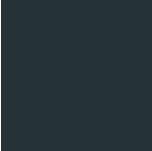
## Dichromacy



**Original Color**  
213423

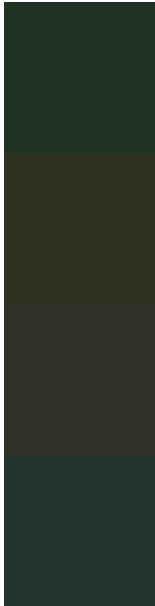
**Protanopia**  
332F21

**Deuteranopia**  
382E24



**Tritanopia**  
253236

# Trichromacy



**Original Color**  
213423

**Protanomaly**  
2C3122

**Deuteranomaly**  
303024

**Tritanomaly**  
24332F

# Monochromacy



**Original Color**  
213423

**Achromatopsia**  
2C2C2C

**Achromatomaly**  
282F29

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 213423 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 #213423 looks like.

```
.text, #text, p{  
    color:#213423  
}
```

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 #213423 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #213423
}
```

## Border

The CSS property to change the border of an element to Hex 213423 is called "border". The border property can be set on classes, ids or directly on the HTML element.

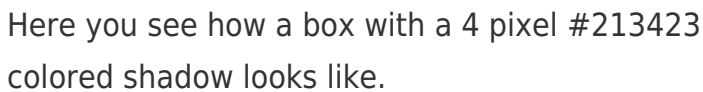
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#213423 }
```

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

```
.border{ border-color:#213423 }
```

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



Here you see how a box with a 4 pixel #213423 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #213423; -webkit-box-shadow:4px 4px  
4px 4px #213423; box-shadow:4px 4px 4px  
4px #213423 }
```

# Background

The CSS property to change the background color of an element to Hex 213423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#213423 }
```

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

```
.background{ background-color:#213423 }
```

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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