

# Converting Colors

Hex(213F30)

Have a look what the booklet for  
Hex(213F30) contains.

<b>Hex(213F30)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

Hex(213F30)

# Conversions

## Conversions Part 1

Format	Color
Hex	213F30
RGB	33, 63, 48
RGB Percent	13%, 25%, 19%
CMY	0.8706, 0.7529, 0.8118
CMYK	0.48, 0.00, 0.24, 0.75
HSL	150°, 31%, 19%
HSV	150°, 48%, 25%
XYZ	2.9382, 4.0917, 3.4312
YIQ	52.3200, -13.0650, -11.0250

# Conversions

## Conversions Part 2

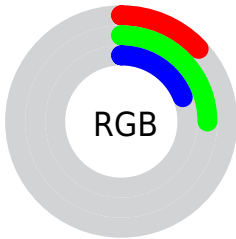
<b>Format</b>	<b>Color</b>
<b>RYB</b>	33, 53, 63
Decimal	2178864
CIELab	23.97, -15.37, 5.75
CIELCh	24, 16.411, 159.506
Yxy	4.0917, 0.2809, 0.3911
Android (android.graphics.Color)	4280368944 (0xFF213F30)
YUV	52.3200, -2.1298, -16.9436
Hunter-Lab	20.2281, -9.4713, 4.1024

# Details

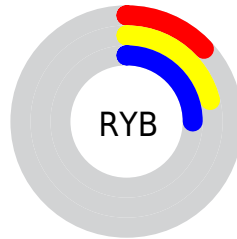
The Hex color **213F30** is a dark color, and the websafe version is hex **003333**. A complement of this color would be **3F2130**, and the grayscale version is **343434**.

A 20% lighter version of the original color is **4F6F5E**, and **001600** is the 20% darker color. If you saturate the color by 10%, you get **1B3F2D**, and if you desaturate by 10%, it is **273F33**.

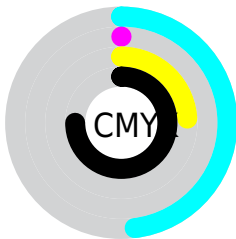
# Distribution



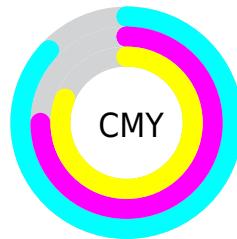
- Red (13%)
- Green (25%)
- Blue (19%)



- Red (13%)
- Yellow (21%)
- Blue (25%)



- Cyan (48%)
- Magenta (0%)
- Yellow (24%)
- Black (75%)




- Cyan (87%)
- Magenta (75%)
- Yellow (81%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 213F30 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 213F30 by changing the saturation by 10% instead.



 213F30

 213F30

FFFFFF

 0B291B

 4F6F5E

 001600

 688877

 000000

 81A390

 9BBEAB

 B6DAC6

 D2F6E2

 EFFFFFF

 213F30

 213F30

■ 1B3F2D

■ 273F33

■ 143F2A

■ 2E3F36

■ 0E3F27

■ 343F39

■ 083F23

■ 3A3F3D

■ 023F20

■ 413F40

■ 003F20

■ 473F43

■ 4D3F46

■ 533F49

■ 5A3F4C

# Harmonies

## Analogous

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



303D26



213F30



12403D

# Triad

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



213F30



2E3951



50312A

# Complementary

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



213F30



3F2130

# 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.



513035



213F30



40344C

# Square

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



213F30



1A3D50



4C3142



493522

# Rectangle

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



213F30



0B3F45



4C3142



51312E



# Sweetspot

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



213F30



46524C



303F21



222925



A8A8A8



292929



# Same Dimension

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



213F30



23523A



213F3F



1C1F1D



005E2F



00DE6F



# Inverse Universe

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



3F2130



52233A



3F2121



1F1C1D



5E002F

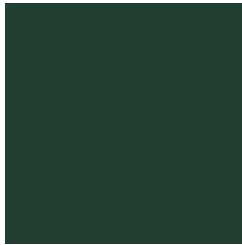


DE006F



# Previews

## White Background



This preview shows how the Hex color 213F30 looks on a white background.

## Color Contrast Check

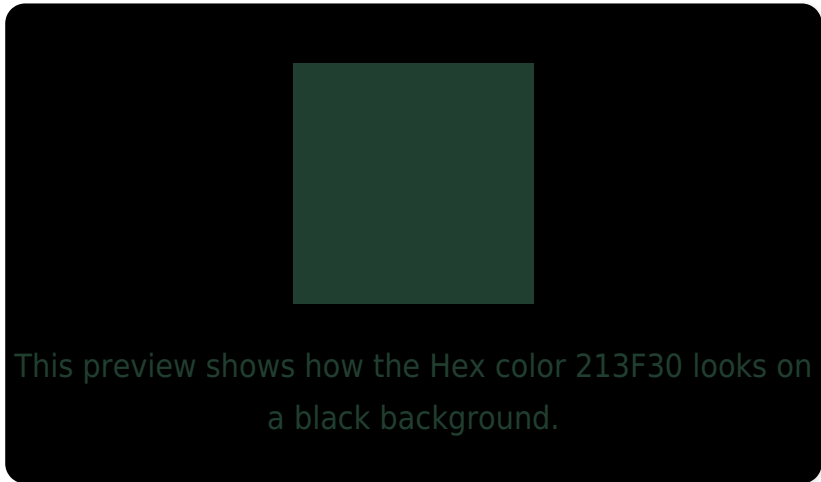
Large Text (above 18pt) WCAG AA ✓ Pass

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

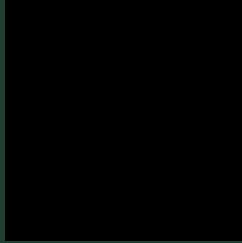
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 213F30 Background



This preview shows how black text looks on a background with the Hex color 213F30.



This preview shows how white text looks on a background with the Hex color 213F30.

# 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](#).

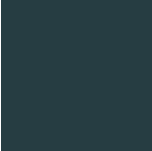
## Dichromacy



**Original Color**  
213F30

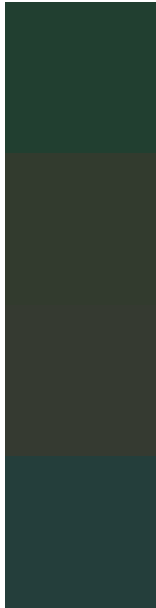
**Protanopia**  
3C392D

**Deuteranopia**  
413732



**Tritanopia**  
263D42

# Trichromacy



**Original Color**  
213F30

**Protanomaly**  
323B2E

**Deuteranomaly**  
353A31

**Tritanomaly**  
243E3B

# Monochromacy



**Original Color**  
213F30

**Achromatopsia**  
343434

**Achromatomaly**  
2D3833

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 213F30 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 #213F30 looks like.

```
.text, #text, p{  
    color:#213F30  
}
```

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 #213F30 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #213F30
}
```

## Border

The CSS property to change the border of an element to Hex 213F30 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
#213F30 }
```

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

```
.border{ border-color:#213F30 }
```

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

Here you see how a box with a 4 pixel #213F30 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #213F30; -webkit-box-shadow:4px 4px  
4px 4px #213F30; box-shadow:4px 4px 4px  
4px #213F30 }
```

# Background

The CSS property to change the background color of an element to Hex 213F30 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#213F30 }
```

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

```
.background{ background-color:#213F30 }
```

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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