

# Converting Colors

Hex(212A2F)

Have a look what the booklet for  
Hex(212A2F) contains.

<b>Hex(212A2F)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

Hex(212A2F)

# Conversions

## Conversions Part 1

Format	Color
Hex	212A2F
RGB	33, 42, 47
RGB Percent	13%, 16%, 18%
CMY	0.8706, 0.8353, 0.8157
CMYK	0.30, 0.11, 0.00, 0.82
HSL	201°, 18%, 16%
HSV	201°, 30%, 18%
XYZ	1.9683, 2.1845, 3.0072
YIQ	39.8790, -6.9690, -0.3530

# Conversions

## Conversions Part 2

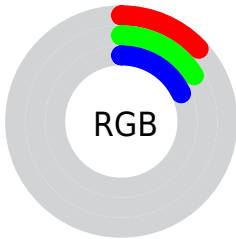
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">33, 38, 47</a>
Decimal	<a href="#">2173487</a>
CIELab	<a href="#">16.43, -2.47, -4.55</a>
CIElCh	<a href="#">16, 5.173, 241.506</a>
Yxy	<a href="#">2.1845, 0.2749, 0.3051</a>
Android (android.graphics.Color)	<a href="#">4280363567 (0xFF212A2F)</a>
YUV	<a href="#">39.8790, 3.5107, -6.0329</a>
Hunter-Lab	<a href="#">14.7800, -2.0943, -1.7175</a>

# Details

The Hex color **212A2F** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **2F2621**, and the grayscale version is **282828**.

A 20% lighter version of the original color is **4D575D**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **1C282F**, and if you desaturate by 10%, it is **262C2F**.

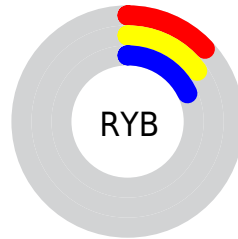
# Distribution



Red (13%)

Green (16%)

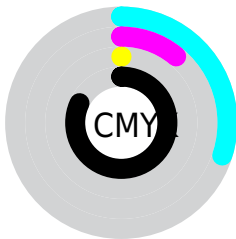
Blue (18%)



Red (13%)

Yellow (15%)

Blue (18%)

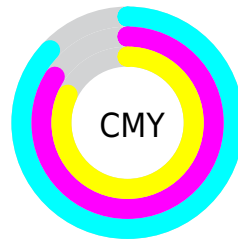


Cyan (30%)

Magenta (11%)

Yellow (0%)

Black (82%)



Cyan (87%)

Magenta (84%)

Yellow (82%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 212A2F 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 212A2F by changing the saturation by 10% instead.



■ 212A2F

■ 212A2F

FFFFFF

■ 0C161A

■ 4D575D

■ 000000

■ 667075

■ 7F898F

■ 99A3A9

■ B3BEC5

■ CFDAE1

■ EBF7FD

■ 212A2F

■ 212A2F

■ 1C282F

■ 262C2F

■ 18272F

■ 2A2D2F

■ 13252F

■ 2F2F2F

■ 0E232F

■ 34312F

■ 0A222F

■ 39322F

■ 05202F

■ 3D342F

■ 001E2F

■ 42362F

■ 47372F

■ 4B392F

# Harmonies

## Analogous

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



1F2B2C



212A2F



252930

# Triad

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



212A2F



302629



272A22

# Complementary

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



212A2F



2F2621

# 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.



2B2821



212A2F



302625

# Square

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



212A2F



2E272C



2F2722



232A25

# Rectangle

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



212A2F



28282F



2F2722



292922



# Sweetspot

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



212A2F



383B3D



212F26



1B1D1F



9E9E9E



1F1F1F



# Same Dimension

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



212A2F



27353D



21232F



151617



003857



008AD6



# Inverse Universe

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



2F212A



3D2735



2F2D21



171516



570038

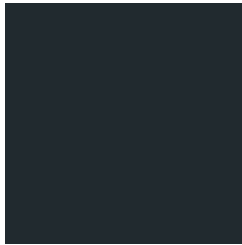


D6008A



# Previews

## White Background



This preview shows how the Hex color 212A2F looks on a white background.

## Color Contrast Check

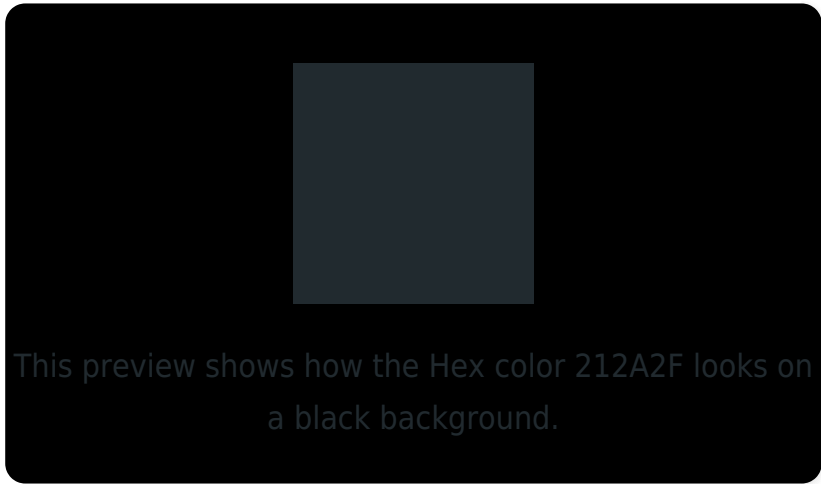
Large Text (above 18pt) WCAG AA ✓ Pass

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

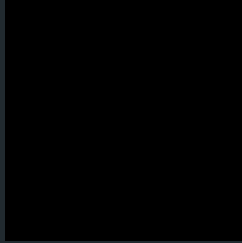
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

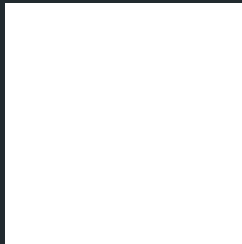
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 212A2F Background



This preview shows how black text looks on a background with the Hex color 212A2F.

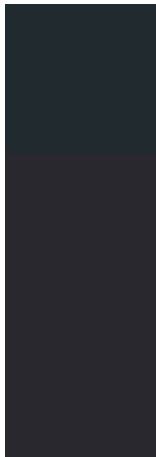


This preview shows how white text looks on a background with the Hex color 212A2F.

# 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**  
212A2F

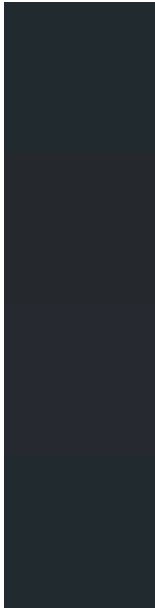
**Protanopia**  
28282E

**Deuteranopia**  
29282F



**Tritanopia**  
212A2E

# Trichromacy



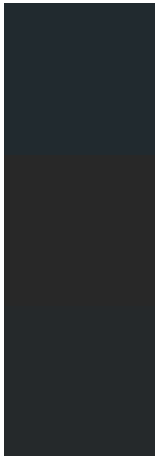
**Original Color**  
212A2F

**Protanomaly**  
25292E

**Deuteranomaly**  
26292F

**Tritanomaly**  
212A2E

# Monochromacy



**Original Color**  
212A2F

**Achromatopsia**  
282828

**Achromatomaly**  
25292B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 212A2F 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 #212A2F looks like.

```
.text, #text, p{  
    color:#212A2F  
}
```

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 #212A2F colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #212A2F
}
```

## Border

The CSS property to change the border of an element to Hex 212A2F is called "border". The border property can be set on classes, ids or directly on the HTML element.

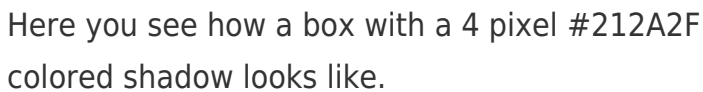
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#212A2F }
```

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

```
.border{ border-color:#212A2F }
```

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



Here you see how a box with a 4 pixel #212A2F colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #212A2F; -webkit-box-shadow:4px 4px  
4px 4px #212A2F; box-shadow:4px 4px 4px  
4px #212A2F }
```

# Background

The CSS property to change the background color of an element to Hex 212A2F is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#212A2F }
```

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

```
.background{ background-color:#212A2F }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor