

# Converting Colors

Hex(212F63)

Have a look what the booklet for  
Hex(212F63) contains.

<b>Hex(212F63)</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(212F63)**

# Conversions

## Conversions Part 1

Format	Color
Hex	212F63
RGB	33, 47, 99
RGB Percent	13%, 18%, 39%
CMY	0.8706, 0.8157, 0.6118
CMYK	0.67, 0.53, 0.00, 0.61
HSL	227°, 50%, 26%
HSV	227°, 67%, 39%
XYZ	3.8958, 3.2572, 12.2278
YIQ	48.7420, -25.0360, 13.2040

# Conversions

## Conversions Part 2

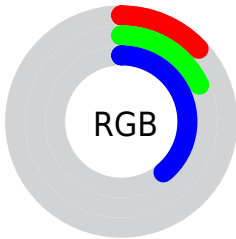
<b>Format</b>	<b>Color</b>
<b>RYB</b>	33, 45, 99
Decimal	2174819
CIELab	21.05, 12.71, -32.62
CIELCh	21, 35.010, 291.294
Yxy	3.2572, 0.2010, 0.1681
Android (android.graphics.Color)	4280364899 (0xFF212F63)
YUV	48.7420, 24.7772, -13.8057
Hunter-Lab	18.0478, 6.9480, -27.5368

# Details

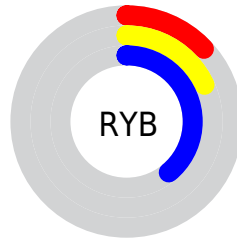
The Hex color **212F63** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **635521**, and the grayscale version is **313131**.

A 20% lighter version of the original color is **555D96**, and **000034** is the 20% darker color. If you saturate the color by 10%, you get **172763**, and if you desaturate by 10%, it is **2B3763**.

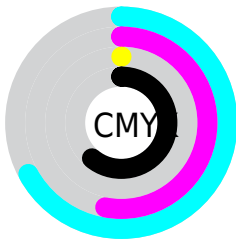
# Distribution



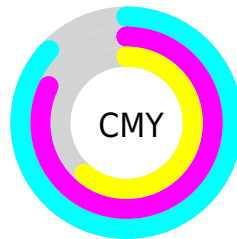
- Red (13%)
- Green (18%)
- Blue (39%)



- Red (13%)
- Yellow (18%)
- Blue (39%)



- Cyan (67%)
- Magenta (53%)
- Yellow (0%)
- Black (61%)



- Cyan (87%)
- Magenta (82%)
- Yellow (61%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 212F63 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 212F63 by changing the saturation by 10% instead.



■ 212F63

■ 212F63

FFFFFF

■ 001B4B

■ 555D96

■ 000034

■ 6F75B1

■ 00021E

■ 8A8FCD

■ 000000

■ A5A9E9

■ C1C4FF

■ DDE0FF

■ FAFDFD

■ 212F63

■ 212F63

■ 172763

■ 2B3763

■ 0D1F63

■ 353F63

■ 031863

■ 3F4663

■ 001563

■ 494E63

■ 535663

■ 5C5E63

■ 666663

■ 706D63

■ 7A7563

# Harmonies

## Analogous

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



003866



212F63



4A2353

# Triad

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



212F63



572408



003E2A

# Complementary

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



212F63



635521

# 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.



073B10



212F63



452F00

# Square

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



212F63



601922



2E3700



003E45

# Rectangle

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



212F63



581B44



2E3700



003D21



# Sweetspot

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



212F63



666B80



216355



303440



BFBFBF



404040



# Same Dimension

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



212F63



192F80



342163



2C2D30



001870



0033F0



# Inverse Universe

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



63212F



80192F



506321



302C2D



700018



F00033



# Previews

## White Background



This preview shows how the Hex color 212F63 looks on a white background.

## Color Contrast Check

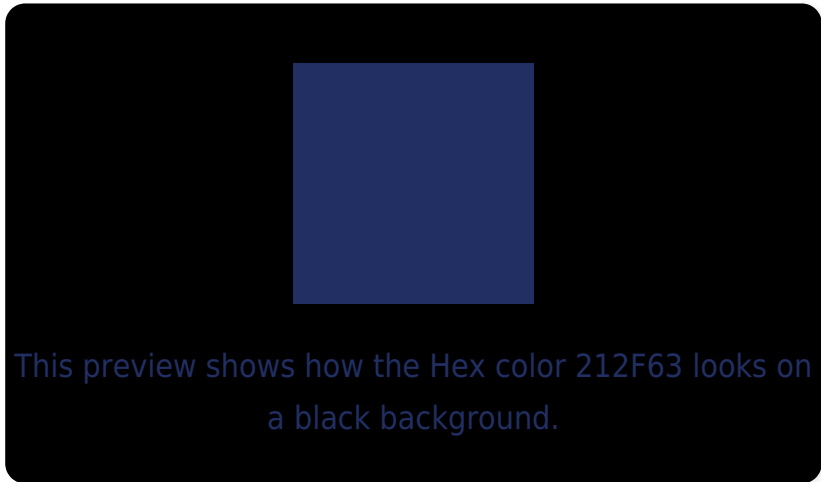
Large Text (above 18pt) WCAG AA ✓ Pass

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

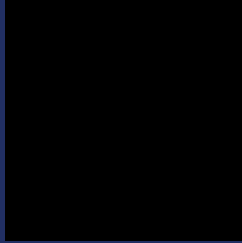
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 212F63 Background



This preview shows how black text looks on a background with the Hex color 212F63.



This preview shows how white text looks on a background with the Hex color 212F63.

# 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**  
212F63

**Protanopia**  
103165

**Deuteranopia**  
00345A



**Tritanopia**  
00383D

# Trichromacy



**Original Color**  
212F63

**Protanomaly**  
163064

**Deuteranomaly**  
0C325D

**Tritanomaly**  
0C354B

# Monochromacy



**Original Color**  
212F63

**Achromatopsia**  
313131

**Achromatomaly**  
2B3043

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 212F63 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 #212F63 looks like.

```
.text, #text, p{  
    color:#212F63  
}
```

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 #212F63 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #212F63
}
```

## Border

The CSS property to change the border of an element to Hex 212F63 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
#212F63 }
```

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

```
.border{ border-color:#212F63 }
```

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

Here you see how a box with a 4 pixel #212F63 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #212F63; -webkit-box-shadow:4px 4px  
4px 4px #212F63; box-shadow:4px 4px 4px  
4px #212F63 }
```

# Background

The CSS property to change the background color of an element to Hex 212F63 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#212F63 }
```

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

```
.background{ background-color:#212F63 }
```

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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