

Converting Colors

Hex(212F4A)

Have a look what the booklet for
Hex(212F4A) contains.

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Color

Hex(212F4A)

Conversions

Conversions Part 1

Format	Color
Hex	212F4A
RGB	33, 47, 74
RGB Percent	13%, 18%, 29%
CMY	0.8706, 0.8157, 0.7098
CMYK	0.55, 0.36, 0.00, 0.71
HSL	220°, 38%, 21%
HSV	220°, 55%, 29%
XYZ	2.8797, 2.8508, 6.8770
YIQ	45.8920, -17.0110, 5.4290

Conversions

Conversions Part 2

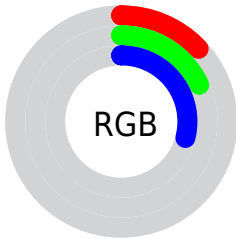
Format	Color
R_{YB}	33, 43, 74
Decimal	2174794
CIE Lab	19.44, 3.13, -18.55
CIE LCh	19, 18.814, 279.585
Yxy	2.8508, 0.2284, 0.2261
Android (android.graphics.Color)	4280364874 (0xFF212F4A)
YUV	45.8920, 13.8572, -11.3063
Hunter-Lab	16.8842, 0.8972, -12.3302

Details

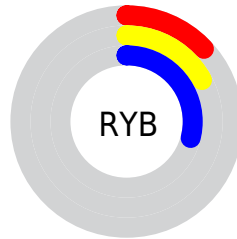
The Hex color **212F4A** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **4A3C21**, and the grayscale version is **2E2E2E**.

A 20% lighter version of the original color is **505D7B**, and **00011E** is the 20% darker color. If you saturate the color by 10%, you get **1A2A4A**, and if you desaturate by 10%, it is **28344A**.

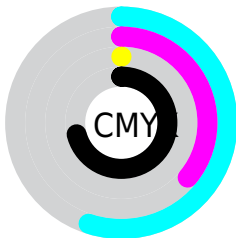
Distribution



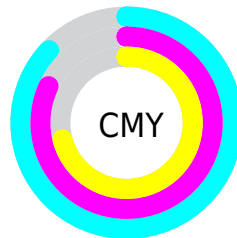
- Red (13%)
- Green (18%)
- Blue (29%)



- Red (13%)
- Yellow (17%)
- Blue (29%)



- Cyan (55%)
- Magenta (36%)
- Yellow (0%)
- Black (71%)



- Cyan (87%)
- Magenta (82%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Hex color 212F4A 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 212F4A by changing the saturation by 10% instead.

■ 212F4A

■ 212F4A

FFFFFF

■ 091A33

■ 505D7B

■ 00011E

■ 697595

■ 000001

■ 838FAF

■ 000000

■ 9DA9CB

■ B8C4E7

■ D4E0FF

■ F1FDFF

■ 212F4A

■ 212F4A

■ 1A2A4A

■ 28344A

■ 12254A

■ 30394A

■ 0B204A

■ 373E4A

■ 031C4A

■ 3F424A

■ 00194A

■ 46474A

■ 4D4C4A

■ 55514A

■ 5C564A

■ 645B4A

Harmonies

Analogous

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



003348



212F4A



362A44

Triad

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



212F4A



47261E



123525

Complementary

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



212F4A



4A3C21

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.



243319



212F4A



3F2B15

Square

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



212F4A



49242B



333013



003633

Rectangle

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



212F4A



40273D



333013



193521

Sweetspot

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



212F4A



505661



214A3C



272A30



B0B0B0



303030

Same Dimension

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



212F4A



213761



27214A



222426



002366



004EE6

Inverse Universe

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



4A212F



612137



444A21



262224



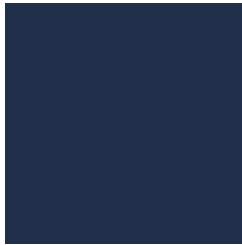
660023



E6004E

Previews

White Background



This preview shows how the Hex color 212F4A looks on a white background.

Color Contrast Check

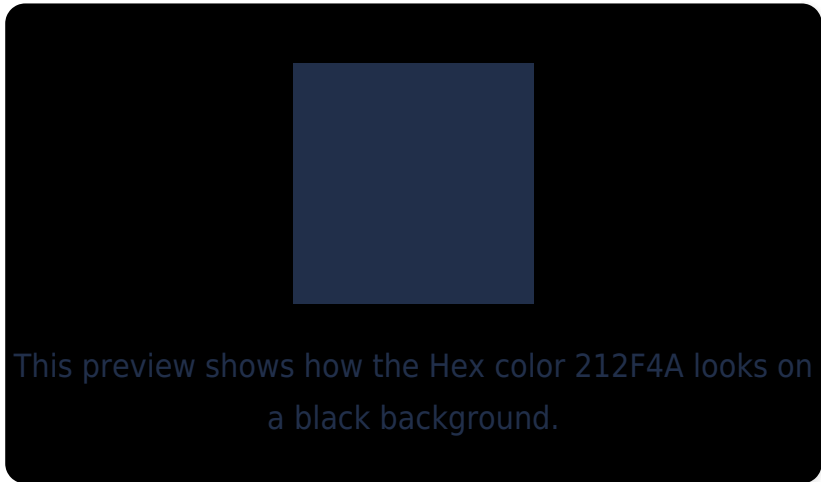
Large Text (above 18pt) WCAG AA ✓ Pass

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

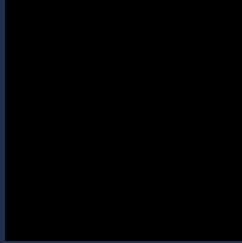
Any Text WCAG AA × Fail

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 212F4A Background



This preview shows how black text looks on a background with the Hex color 212F4A.



This preview shows how white text looks on a background with the Hex color 212F4A.

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

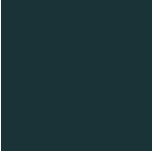
212F4A

Protanopia

252E49

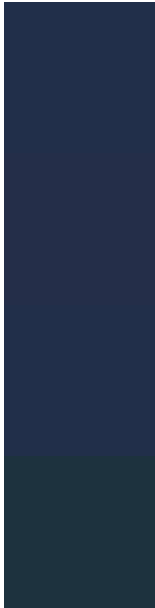
Deuteranopia

212F4A



Tritanopia
1A3337

Trichromacy



Original Color

212F4A

Protanomaly

242E49

Deuteranomaly

212F4A

Tritanomaly

1D323E

Monochromacy



Original Color

212F4A

Achromatopsia

2E2E2E

Achromatomaly

292E38

CSS Examples

Text

The CSS property to change the color of the text to Hex 212F4A 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 #212F4A looks like.

```
.text, #text, p{  
    color:#212F4A  
}
```

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 #212F4A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #212F4A
}
```

Border

The CSS property to change the border of an element to Hex 212F4A is called "border". The border property can be set on classes, ids or directly on the HTML element.

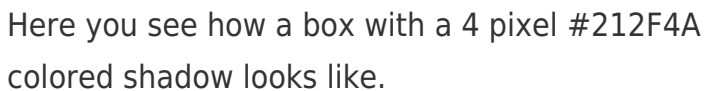
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#212F4A }
```

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

```
.border{ border-color:#212F4A }
```

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



Here you see how a box with a 4 pixel #212F4A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #212F4A; -webkit-box-shadow:4px 4px  
4px 4px #212F4A; box-shadow:4px 4px 4px  
4px #212F4A }
```

Background

The CSS property to change the background color of an element to Hex 212F4A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#212F4A }
```

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

```
.background{ background-color:#212F4A }
```

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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