

# Converting Colors

Hex(242A4C)

Have a look what the booklet for  
Hex(242A4C) contains.

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# Color

Hex(242A4C)

# Conversions

## Conversions Part 1

Format	Color
Hex	242A4C
RGB	36, 42, 76
RGB Percent	14%, 16%, 30%
CMY	0.8588, 0.8353, 0.7020
CMYK	0.53, 0.45, 0.00, 0.70
HSL	231°, 36%, 22%
HSV	231°, 53%, 30%
XYZ	2.8600, 2.5528, 7.1795
YIQ	44.0820, -14.4900, 9.3020

# Conversions

## Conversions Part 2

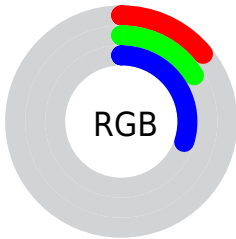
<b>Format</b>	<b>Color</b>
<b>RYB</b>	36, 41, 76
Decimal	2370124
CIELab	18.16, 8.29, -21.91
CIElCh	18, 23.428, 290.736
Yxy	2.5528, 0.2271, 0.2027
Android (android.graphics.Color)	4280560204 (0xFF242A4C)
YUV	44.0820, 15.7356, -7.0879
Hunter-Lab	15.9775, 3.9915, -15.4577

# Details

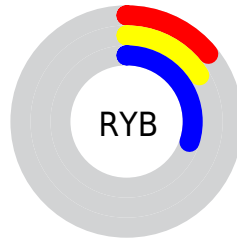
The Hex color **242A4C** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **4C4624**, and the grayscale version is **2C2C2C**.

A 20% lighter version of the original color is **54577D**, and **000220** is the 20% darker color. If you saturate the color by 10%, you get **1C244C**, and if you desaturate by 10%, it is **2C304C**.

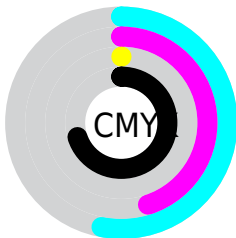
# Distribution



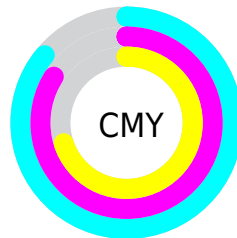
- Red (14%)
- Green (16%)
- Blue (30%)



- Red (14%)
- Yellow (16%)
- Blue (30%)



- Cyan (53%)
- Magenta (45%)
- Yellow (0%)
- Black (70%)



- Cyan (86%)
- Magenta (84%)
- Yellow (70%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 242A4C 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 242A4C by changing the saturation by 10% instead.



■ 242A4C

■ 242A4C

FFFFFF

■ 0C1635

■ 54577D

■ 000220

■ 6C6F97

■ 000004

■ 8689B2

■ 000000

■ A1A3CD

■ BCBEEA

■ D8DAFF

■ F5F6FF

■ 242A4C

■ 242A4C

■ 1C244C

■ 2C304C

■ 151D4C

■ 33374C

■ 0D174C

■ 3B3D4C

■ 06104C

■ 42444C

■ 000B4C

■ 4A4A4C

■ 52514C

■ 59574C

■ 615E4C

■ 68644C

# Harmonies

## Analogous

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



00304E



242A4C



3C2342

# Triad

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



242A4C



462313



003426

# Complementary

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



242A4C



4C4624

# 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.



163316



242A4C



3A2A08

# Square

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



242A4C



4B1E21



2A2F09



003538

# Rectangle

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



242A4C



451F38



2A2F09



003421



# Sweetspot

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



242A4C



545663



244C46



292B33



B3B3B3



333333



# Same Dimension

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



242A4C



252E63



32244C



222326



000F66



0022E6



# Inverse Universe

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



4C242A



63252E



3E4C24



262223



66000F



E60022



# Previews

## White Background



This preview shows how the Hex color 242A4C looks on a white background.

## Color Contrast Check

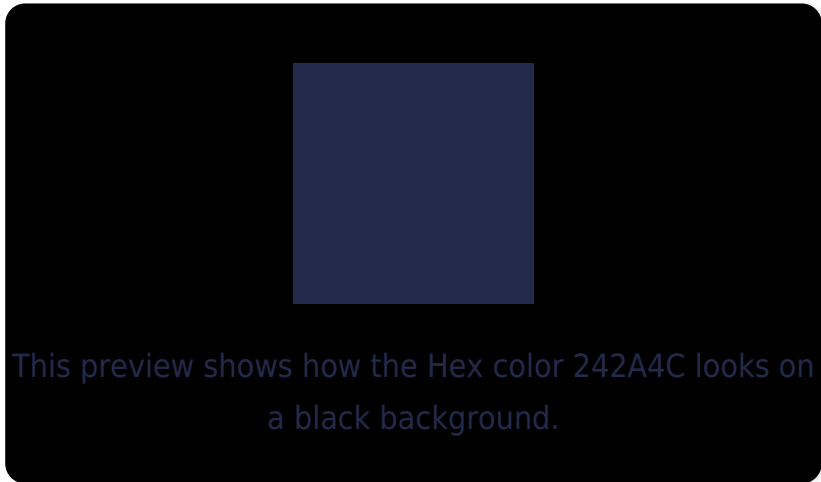
Large Text (above 18pt) WCAG AA ✓ Pass

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

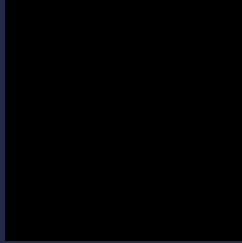
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 242A4C Background



This preview shows how black text looks on a background with the Hex color 242A4C.



This preview shows how white text looks on a background with the Hex color 242A4C.

# 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**

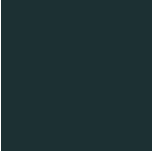
242A4C

**Protanopia**

1D2B4D

**Deuteranopia**

162D4B



**Tritanopia**  
1C3033

# Trichromacy



**Original Color**  
242A4C

**Protanomaly**  
202B4D

**Deuteranomaly**  
1B2C4B

**Tritanomaly**  
1F2E3C

# Monochromacy



**Original Color**  
242A4C

**Achromatopsia**  
2C2C2C

**Achromatomaly**  
292B38

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 242A4C 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 #242A4C looks like.

```
.text, #text, p{  
    color:#242A4C  
}
```

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 #242A4C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #242A4C
}
```

## Border

The CSS property to change the border of an element to Hex 242A4C is called "border". The border property can be set on classes, ids or directly on the HTML element.

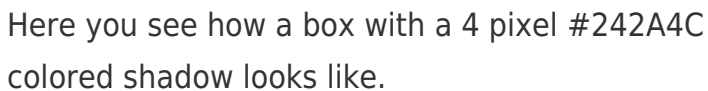
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#242A4C }
```

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

```
.border{ border-color:#242A4C }
```

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



Here you see how a box with a 4 pixel #242A4C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #242A4C; -webkit-box-shadow:4px 4px  
4px 4px #242A4C; box-shadow:4px 4px 4px  
4px #242A4C }
```

# Background

The CSS property to change the background color of an element to Hex 242A4C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#242A4C }
```

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

```
.background{ background-color:#242A4C }
```

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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