

Converting Colors

Hex(242D70)

Have a look what the booklet for
Hex(242D70) contains.

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Color

Hex(242D70)

Conversions

Conversions Part 1

Format	Color
Hex	242D70
RGB	36, 45, 112
RGB Percent	14%, 18%, 44%
CMY	0.8588, 0.8235, 0.5608
CMYK	0.68, 0.60, 0.00, 0.56
HSL	233°, 51%, 29%
HSV	233°, 68%, 44%
XYZ	4.5906, 3.4217, 15.7477
YIQ	49.9470, -26.8710, 18.9290

Conversions

Conversions Part 2

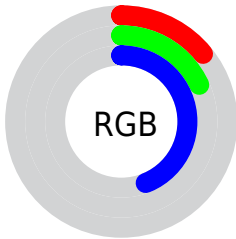
Format	Color
R_{YB}	36, 44, 112
Decimal	2370928
CIE _{Lab}	21.66, 19.76, -40.05
CIE _{LCh}	22, 44.663, 296.263
Yxy	3.4217, 0.1932, 0.1440
Android (android.graphics.Color)	4280561008 (0xFF242D70)
YUV	49.9470, 30.5921, -12.2315
Hunter-Lab	18.4978, 11.9269, -37.5269

Details

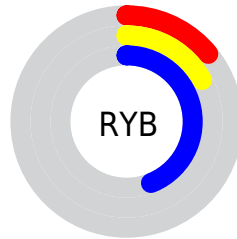
The Hex color **242D70** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **706724**, and the grayscale version is **323232**.

A 20% lighter version of the original color is **5A5AA4**, and **00003F** is the 20% darker color. If you saturate the color by 10%, you get **192370**, and if you desaturate by 10%, it is **2F3770**.

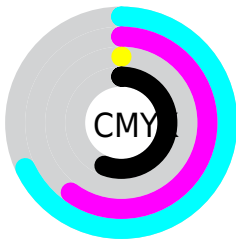
Distribution



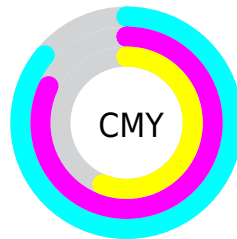
- Red (14%)
- Green (18%)
- Blue (44%)



- Red (14%)
- Yellow (17%)
- Blue (44%)



- Cyan (68%)
- Magenta (60%)
- Yellow (0%)
- Black (56%)



- Cyan (86%)
- Magenta (82%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Hex color 242D70 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 242D70 by changing the saturation by 10% instead.

■ 242D70

■ 242D70

FFFFFF

■ 001957

■ 5A5AA4

■ 00003F

■ 7573C0

■ 000329

■ 908DDC

■ 000112

■ ACA7F9

■ 000000

■ C8C2FF

■ E5DEFF

■ FFFBFF

■ 242D70

■ 242D70

■ 192370

■ 2F3770

■ 0E1970

■ 3A4170

■ 020F70

■ 464B70

■ 000D70

■ 515470

■ 5C5E70

■ 676870

■ 727270

■ 7E7C70

■ 898670

Harmonies

Analogous

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



003A77



242D70



561959

Triad

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



242D70



5D2200



00412F

Complementary

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



242D70



706724

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.



003F0A



242D70



443100

Square

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



242D70



6A0C19



253A00



004250

Rectangle

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



242D70



660845



253A00



004123

Sweetspot

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



242D70



747891



247066



383A4A



C9C9C9



4A4A4A

Same Dimension

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



242D70



1C2A91



402470



323338



000E78



001DF7

Inverse Universe

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



70242D



911C2A



547024



383233



78000E



F7001D

Previews

White Background



This preview shows how the Hex color 242D70 looks on a white background.

Color Contrast Check

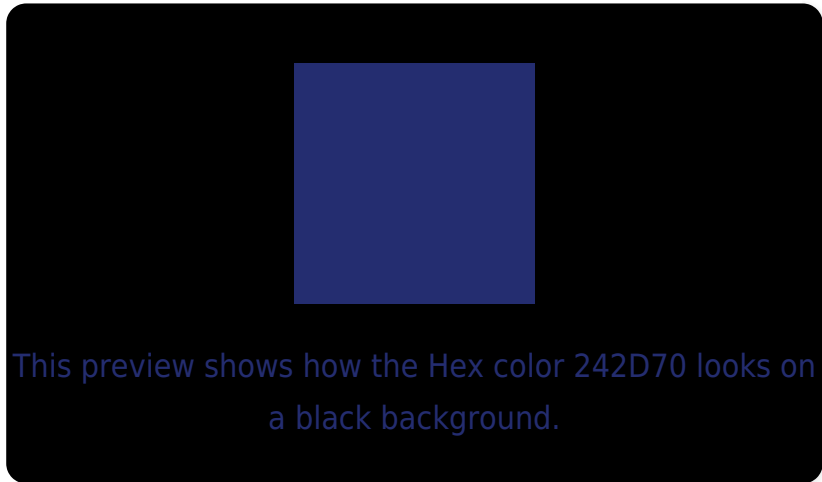
Large Text (above 18pt) WCAG AA ✓ Pass

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

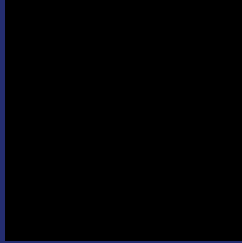
Any Text WCAG AA × Fail

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 242D70 Background



This preview shows how black text looks on a background with the Hex color 242D70.



This preview shows how white text looks on a background with the Hex color 242D70.

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
242D70

Protanopia
00326A

Deuteranopia
00355C



Tritanopia
003A3E

Trichromacy



Original Color
242D70

Protanomaly
0D306C

Deuteranomaly
0D3263

Tritanomaly
0D3550

Monochromacy



Original Color
242D70

Achromatopsia
323232

Achromatomaly
2D3049

CSS Examples

Text

The CSS property to change the color of the text to Hex 242D70 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 #242D70 looks like.

```
.text, #text, p{  
    color:#242D70  
}
```

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 #242D70 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #242D70
}
```

Border

The CSS property to change the border of an element to Hex 242D70 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".

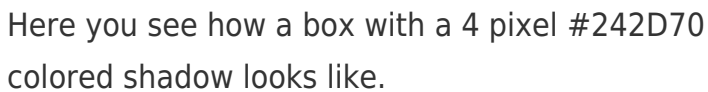
```
.border, #border, table{ border:4px solid
#242D70 }
```

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

```
.border{ border-color:#242D70 }
```

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

Here you see how a box with a 4 pixel #242D70 colored shadow looks like.

A rectangular box with a dark blue border and a dark blue shadow. The box is white with a thin blue border. The shadow is a thick, dark blue horizontal bar at the bottom of the box.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #242D70; -webkit-box-shadow:4px 4px  
4px 4px #242D70; box-shadow:4px 4px 4px  
4px #242D70 }
```

Background

The CSS property to change the background color of an element to Hex 242D70 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#242D70 }
```

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

```
.background{ background-color:#242D70 }
```

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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