

Converting Colors

Hex(233F82)

Have a look what the booklet for
Hex(233F82) contains.

Hex(233F82)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(233F82)

Conversions

Conversions Part 1

Format	Color
Hex	233F82
RGB	35, 63, 130
RGB Percent	14%, 25%, 51%
CMY	0.8627, 0.7529, 0.4902
CMYK	0.73, 0.52, 0.00, 0.49
HSL	222°, 58%, 32%
HSV	222°, 73%, 51%
XYZ	6.4999, 5.5240, 21.8428
YIQ	62.2660, -38.1950, 14.9010

Conversions

Conversions Part 2

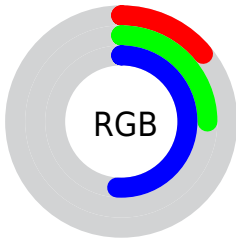
Format	Color
R _Y B	35, 57, 130
Decimal	2310018
CIE Lab	28.18, 14.04, -40.91
CIE LCh	28, 43.253, 288.947
Yxy	5.5240, 0.1919, 0.1631
Android (android.graphics.Color)	4280500098 (0xFF233F82)
YUV	62.2660, 33.3929, -23.9123
Hunter-Lab	23.5033, 8.2340, -38.6488

Details

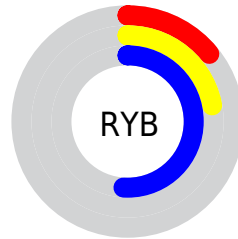
The Hex color **233F82** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **826623**, and the grayscale version is **3E3E3E**.

A 20% lighter version of the original color is **5D6EB8**, and **001650** is the 20% darker color. If you saturate the color by 10%, you get **163682**, and if you desaturate by 10%, it is **304882**.

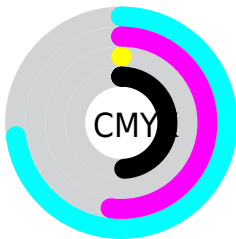
Distribution



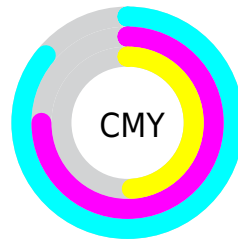
- Red (14%)
- Green (25%)
- Blue (51%)



- Red (14%)
- Yellow (22%)
- Blue (51%)



- Cyan (73%)
- Magenta (52%)
- Yellow (0%)
- Black (49%)



- Cyan (86%)
- Magenta (75%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Hex color 233F82 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 233F82 by changing the saturation by 10% instead.

■ 233F82

■ 233F82

FFFFFF

■ 002968

■ 5D6EB8

■ 001650

■ 7887D3

■ 000039

■ 94A1F0

■ 000222

■ B0BCFF

■ 000008

■ CCD8FF

■ 000000

■ E9F5FF

■ 233F82

■ 233F82

■ 163682

■ 304882

■ 092D82

■ 3D5182

■ 002682

■ 4A5B82

■ 576482

■ 646D82

■ 717682

■ 7E7F82

■ 8B8882

■ 989282

Harmonies

Analogous

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



004A84



233F82



5E2F6F

Triad

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



233F82



722E10



005135

Complementary

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



233F82



826623

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.



0E4E12



233F82



5C3D00

Square

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



233F82



7D1F2F



3E4700



005157

Rectangle

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



233F82



71245B



3E4700



005029

Sweetspot

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



233F82



838EA8



238266



3E4554



D4D4D4



545454

Same Dimension

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



233F82



1440A8



362382



393B40



002680



000000

Inverse Universe

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



82233F



A81440



6F8223



40393B



800026



000000

Previews

White Background



This preview shows how the Hex color 233F82 looks on a white background.

Color Contrast Check

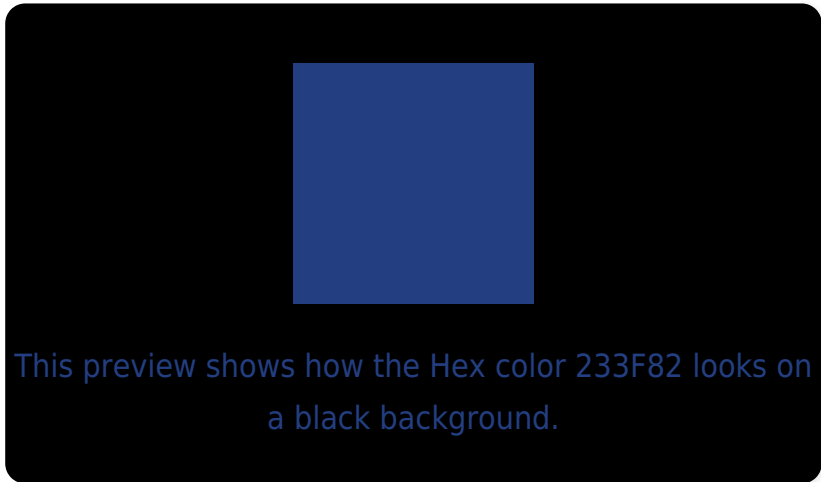
Large Text (above 18pt) WCAG AA ✓ Pass

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

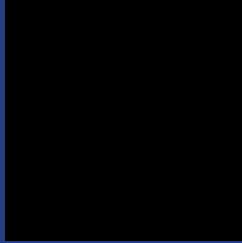
Any Text WCAG AA × Fail

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 233F82 Background



This preview shows how black text looks on a background with the Hex color 233F82.



This preview shows how white text looks on a background with the Hex color 233F82.

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
233F82

Protanopia
184083

Deuteranopia
004476



Tritanopia
004A4F

Trichromacy



Original Color

233F82

Protanomaly

1C4083

Deuteranomaly

0D427A

Tritanomaly

0D4662

Monochromacy



Original Color

233F82

Achromatopsia

3E3E3E

Achromatomaly

343E57

CSS Examples

Text

The CSS property to change the color of the text to Hex 233F82 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 #233F82 looks like.

```
.text, #text, p{  
    color:#233F82  
}
```

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 #233F82 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #233F82
}
```

Border

The CSS property to change the border of an element to Hex 233F82 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
#233F82 }
```

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

```
.border{ border-color:#233F82 }
```

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

Here you see how a box with a 4 pixel #233F82 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #233F82; -webkit-box-shadow:4px 4px  
4px 4px #233F82; box-shadow:4px 4px 4px  
4px #233F82 }
```

Background

The CSS property to change the background color of an element to Hex 233F82 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#233F82 }
```

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

```
.background{ background-color:#233F82 }
```

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