

# Converting Colors

Hex(231782)

Have a look what the booklet for  
Hex(231782) contains.

<b>Hex(231782)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(231782)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	231782
RGB	35, 23, 130
RGB Percent	14%, 9%, 51%
CMY	0.8627, 0.9098, 0.4902
CMYK	0.73, 0.82, 0.00, 0.49
HSL	247°, 70%, 30%
HSV	247°, 82%, 51%
XYZ	5.0288, 2.5818, 21.3524
YIQ	38.7860, -27.1950, 35.8210

# Conversions

## Conversions Part 2

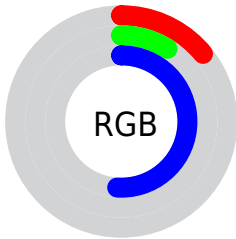
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	35, 23, 130
Decimal	2299778
CIE <sub>Lab</sub>	18.28, 39.93, -57.08
CIE <sub>LCh</sub>	18, 69.662, 304.970
Yxy	2.5818, 0.1736, 0.0891
Android (android.graphics.Color)	4280489858 (0xFF231782)
<b>YUV</b>	38.7860, 44.9685, -3.3203
Hunter-Lab	16.0681, 27.7458, -67.5412




# Details

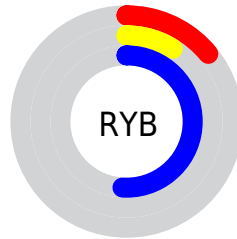
The Hex color **231782** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **768217**, and the grayscale version is **262626**.




A 20% lighter version of the original color is **6045B8**, and **00004F** is the 20% darker color. If you saturate the color by 10%, you get **170A82**, and if you desaturate by 10%, it is **2F2482**.

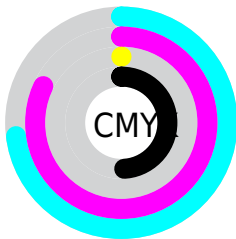
# Distribution







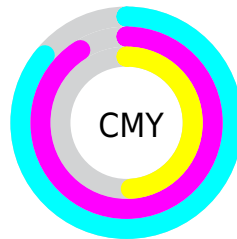
-  Red (14%)
-  Green (9%)
-  Blue (51%)






-  Red (14%)
-  Yellow (9%)
-  Blue (51%)



-  Cyan (73%)
-  Magenta (82%)
-  Yellow (0%)
-  Black (49%)



-  Cyan (86%)
-  Magenta (91%)
-  Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 231782 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 231782 by changing the saturation by 10% instead.



■ 231782

■ 231782

FFFFFF

■ 000168

■ 6045B8

■ 00004F

■ 7C5ED4

■ 000537

■ 9977F1

■ 000221

■ B591FF

■ 000006

■ D2ACFF

■ 000000

■ F0C7FF

■ FFE4FF

■ 231782

■ 231782

■ 170A82

■ 2F2482

■ 0F0082

■ 3A3182

■ 463E82

■ 514B82

■ 5D5882

■ 686582

■ 747282

■ 7F7F82

■ 8B8C82

# Harmonies

## Analogous

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



003395



231782



6A0058

# Triad

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



231782



581500



003E34

# Complementary

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



231782



768217

# 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.



003C00



231782



312E00

# Square

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



231782



730000



003800



003E67

# Rectangle

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



231782



7A0038



003800



003D22



# Sweetspot

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



231782



837EA8



177782



3E3B54



D4D4D4



545454



# Same Dimension

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



231782



1402A8



571782



3A3940



0E0080



000000



# Inverse Universe

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



821776



A80296



428217



40393F



800071

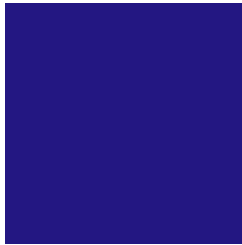


000000



# Previews

## White Background



This preview shows how the Hex color 231782 looks on a white background.

## Color Contrast Check

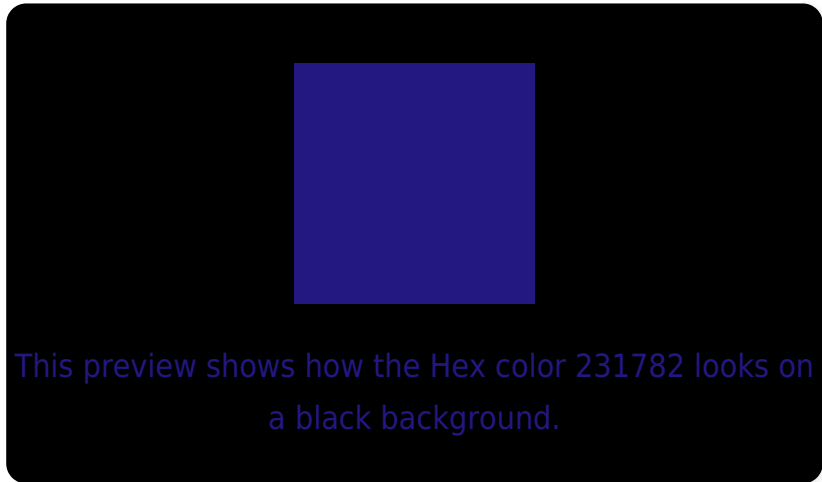
Large Text (above 18pt) WCAG AA ✓ Pass

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

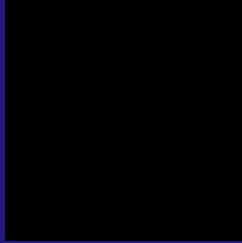
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 231782 Background



This preview shows how black text looks on a background with the Hex color 231782.



This preview shows how white text looks on a background with the Hex color 231782.

# 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**  
231782

**Protanopia**  
002C5D

**Deuteranopia**  
002F4F



**Tritanopia**  
003336

# Trichromacy



**Original Color**  
231782

**Protanomaly**  
0D246A

**Deuteranomaly**  
0D2662

**Tritanomaly**  
0D2952

# Monochromacy



**Original Color**  
231782

**Achromatopsia**  
272727

**Achromatomaly**  
262148

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 231782 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 #231782 looks like.

```
.text, #text, p{  
    color:#231782  
}
```

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 #231782 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #231782
}
```

## Border

The CSS property to change the border of an element to Hex 231782 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".

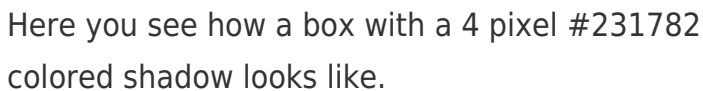
```
.border, #border, table{ border:4px solid
#231782 }
```

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

```
.border{ border-color:#231782 }
```

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

Here you see how a box with a 4 pixel #231782 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #231782; -webkit-box-shadow:4px 4px  
4px 4px #231782; box-shadow:4px 4px 4px  
4px #231782 }
```

# Background

The CSS property to change the background color of an element to Hex 231782 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#231782 }
```

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

```
.background{ background-color:#231782 }
```

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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