

# Converting Colors

Hex(233171)

Have a look what the booklet for  
Hex(233171) contains.

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# Color

**Hex(233171)**

# Conversions

## Conversions Part 1

Format	Color
Hex	233171
RGB	35, 49, 113
RGB Percent	14%, 19%, 44%
CMY	0.8627, 0.8078, 0.5569
CMYK	0.69, 0.57, 0.00, 0.56
HSL	229°, 53%, 29%
HSV	229°, 69%, 44%
XYZ	4.7721, 3.7462, 16.0944
YIQ	52.1100, -28.8880, 16.9360

# Conversions

## Conversions Part 2

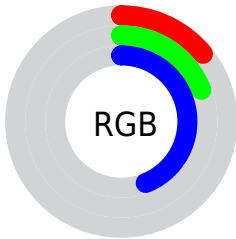
Format	Color
R <sub>Y</sub> B	35, 47, 113
Decimal	2306417
CIE Lab	22.81, 17.15, -38.83
CIE LCh	23, 42.447, 293.837
Yxy	3.7462, 0.1939, 0.1522
Android (android.graphics.Color)	4280496497 (0xFF233171)
YUV	52.1100, 30.0188, -15.0055
Hunter-Lab	19.3551, 10.1385, -35.7528




# Details

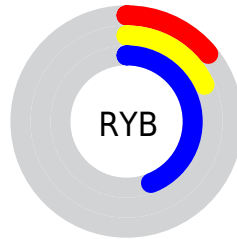
The Hex color **233171** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **716323**, and the grayscale version is **343434**.




A 20% lighter version of the original color is **5A5FA5**, and **000340** is the 20% darker color. If you saturate the color by 10%, you get **182871**, and if you desaturate by 10%, it is **2E3A71**.

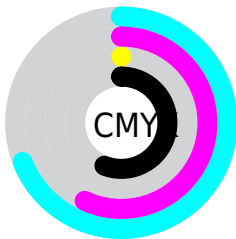
# Distribution







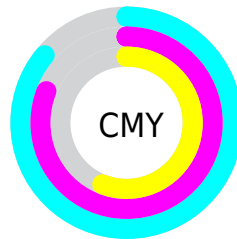
-  Red (14%)
-  Green (19%)
-  Blue (44%)






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



-  Cyan (69%)
-  Magenta (57%)
-  Yellow (0%)
-  Black (56%)



-  Cyan (86%)
-  Magenta (81%)
-  Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 233171 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 233171 by changing the saturation by 10% instead.



■ 233171

■ 233171

FFFFFF

■ 001C58

■ 5A5FA5

■ 000340

■ 7477C1

■ 00032A

■ 8F91DD

■ 000114

■ ABACFA

■ 000000

■ C7C7FF

■ E4E3FF

■ 233171

■ 233171

■ 182871

■ 2E3A71

■ 0C1E71

■ 3A4471

■ 011571

■ 454D71

■ 001471

■ 505671

■ 5C5F71

■ 676971

■ 727271

■ 7D7B71

■ 898471

# Harmonies

## Analogous

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



003C76



233171



55205C

# Triad

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



233171



602400



00442F

# Complementary

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



233171



716323

# 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.



00410D



233171



493300

# Square

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



233171



6C131F



2C3C00



00444F

# Rectangle

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



233171



651349



2C3C00



004324



# Sweetspot

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



233171



757A94



237163



373B4A



C9C9C9



4A4A4A



# Same Dimension

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



233171



192F94



3C2371



323338



001678



002CF7



# Inverse Universe

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



712331



94192F



587123



383233



780016



F7002C



# Previews

## White Background



This preview shows how the Hex color 233171 looks on a white background.

## Color Contrast Check

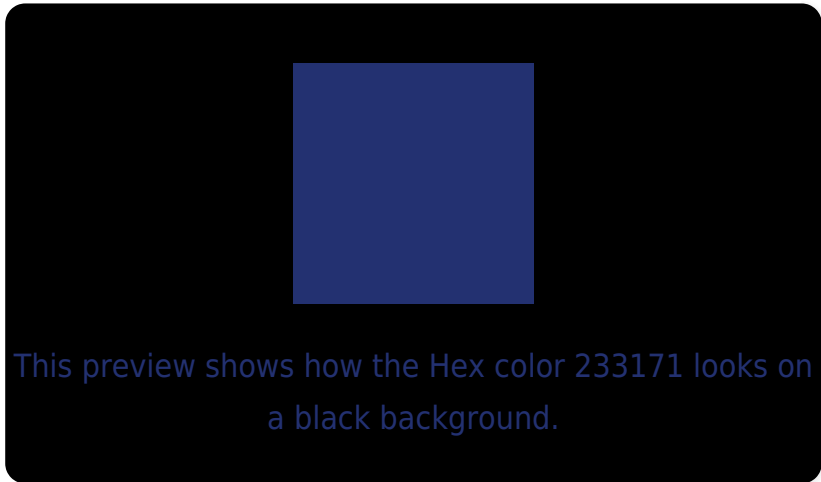
Large Text (above 18pt) WCAG AA ✓ Pass

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

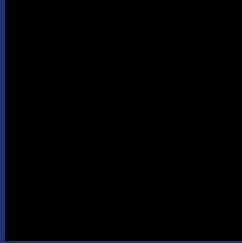
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 233171 Background



This preview shows how black text looks on a background with the Hex color 233171.



This preview shows how white text looks on a background with the Hex color 233171.

# 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**  
233171

**Protanopia**  
003570

**Deuteranopia**  
003860



**Tritanopia**  
003D41

# Trichromacy



**Original Color**  
233171

**Protanomaly**  
0D3470

**Deuteranomaly**  
0D3566

**Tritanomaly**  
0D3952

# Monochromacy



**Original Color**  
233171

**Achromatopsia**  
343434

**Achromatomaly**  
2E334A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 233171 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 #233171 looks like.

```
.text, #text, p{  
    color:#233171  
}
```

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 #233171 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #233171
}
```

## Border

The CSS property to change the border of an element to Hex 233171 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
#233171 }
```

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

```
.border{ border-color:#233171 }
```

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

Here you see how a box with a 4 pixel #233171 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #233171; -webkit-box-shadow:4px 4px  
4px 4px #233171; box-shadow:4px 4px 4px  
4px #233171 }
```

# Background

The CSS property to change the background color of an element to Hex 233171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#233171 }
```

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

```
.background{ background-color:#233171 }
```

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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