

Converting Colors

Hex(231871)

Have a look what the booklet for
Hex(231871) contains.

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Color

Hex(231871)

Conversions

Conversions Part 1

Format	Color
Hex	231871
RGB	35, 24, 113
RGB Percent	14%, 9%, 44%
CMY	0.8627, 0.9059, 0.5569
CMYK	0.69, 0.79, 0.00, 0.56
HSL	247°, 65%, 27%
HSV	247°, 79%, 44%
XYZ	4.0004, 2.2028, 15.8371
YIQ	37.4350, -22.0130, 30.0110

Conversions

Conversions Part 2

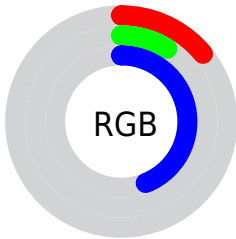
Format	Color
R_YB	35, 24, 113
Decimal	2300017
CIE _{Lab}	16.52, 33.76, -49.12
CIE _{LCh}	17, 59.600, 304.504
Yxy	2.2028, 0.1815, 0.0999
Android (android.graphics.Color)	4280490097 (0xFF231871)
YUV	37.4350, 37.2535, -2.1355
Hunter-Lab	14.8420, 22.1382, -52.8759

Details

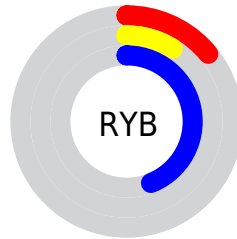
The Hex color **231871** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **667118**, and the grayscale version is **252525**.

A 20% lighter version of the original color is **5C45A6**, and **000040** is the 20% darker color. If you saturate the color by 10%, you get **190D71**, and if you desaturate by 10%, it is **2D2371**.

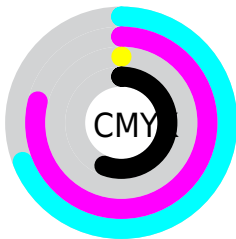
Distribution



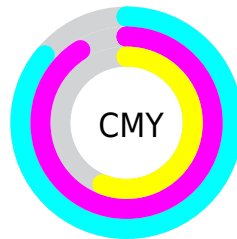
- Red (14%)
- Green (9%)
- Blue (44%)



- Red (14%)
- Yellow (9%)
- Blue (44%)



- Cyan (69%)
- Magenta (79%)
- Yellow (0%)
- Black (56%)



- Cyan (86%)
- Magenta (91%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Hex color 231871 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 231871 by changing the saturation by 10% instead.

■ 231871

■ 231871

FFFFFF

■ 000358

■ 5C45A6

■ 000040

■ 775DC1

■ 000329

■ 9376DE

■ 000113

■ AF90FA

■ 000000

■ CBABFF

■ E8C6FF

■ FFE3FF

■ 231871

■ 231871

■ 190D71

■ 2D2371

■ 0F0171

■ 372F71

■ 0E0071

■ 413A71

■ 4B4571

■ 555171

■ 5E5C71

■ 686771

■ 727271

■ 7C7E71

Harmonies

Analogous

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



002E81



231871



5D004E

Triad

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



231871



4F1500



00382F

Complementary

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



231871



667118

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.



003600



231871



2E2A00

Square

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



231871



660000



003200



003859

Rectangle

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



231871



6B0033



003200



00381F

Sweetspot

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



231871



757094



186771



37354A



C9C9C9



4A4A4A

Same Dimension

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



231871



190794



4F1871



333238



0F0078



1F00F7

Inverse Universe

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



711866



940783



3A7118



383237



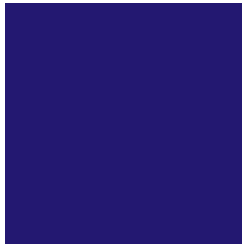
780069



F700D9

Previews

White Background



This preview shows how the Hex color 231871 looks on a white background.

Color Contrast Check

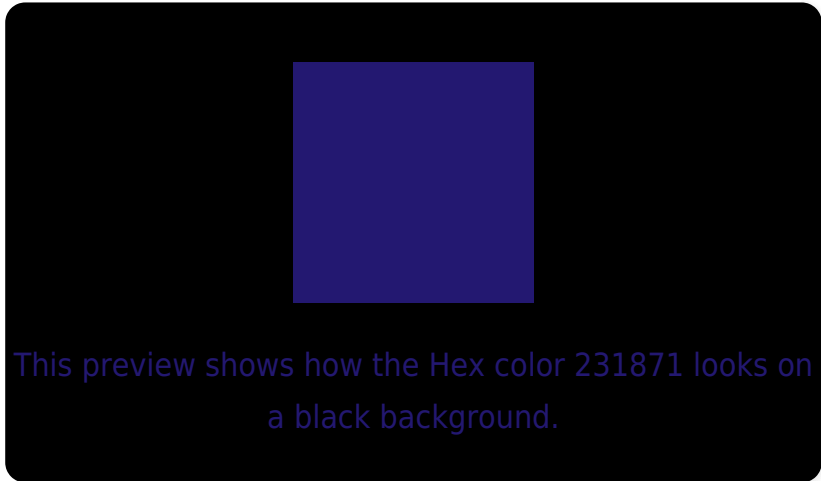
Large Text (above 18pt) WCAG AA ✓ Pass

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

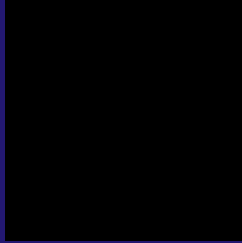
Any Text WCAG AA × Fail

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 231871 Background



This preview shows how black text looks on a background with the Hex color 231871.



This preview shows how white text looks on a background with the Hex color 231871.

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
231871

Protanopia
002855

Deuteranopia
002B48



Tritanopia
002E31

Trichromacy



Original Color
231871

Protanomaly
0D225F

Deuteranomaly
0D2457

Tritanomaly
0D2648

Monochromacy



Original Color
231871

Achromatopsia
252525

Achromatomaly
242041

CSS Examples

Text

The CSS property to change the color of the text to Hex 231871 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 #231871 looks like.

```
.text, #text, p{  
    color:#231871  
}
```

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 #231871 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #231871
}
```

Border

The CSS property to change the border of an element to Hex 231871 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
#231871 }
```

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

```
.border{ border-color:#231871 }
```

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

Here you see how a box with a 4 pixel #231871 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #231871; -webkit-box-shadow:4px 4px  
4px 4px #231871; box-shadow:4px 4px 4px  
4px #231871 }
```

Background

The CSS property to change the background color of an element to Hex 231871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#231871 }
```

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

```
.background{ background-color:#231871 }
```

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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