

Converting Colors

Hex(231E91)

Have a look what the booklet for
Hex(231E91) contains.

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Color

Hex(231E91)

Conversions

Conversions Part 1

Format	Color
Hex	231E91
RGB	35, 30, 145
RGB Percent	14%, 12%, 57%
CMY	0.8627, 0.8824, 0.4314
CMYK	0.76, 0.79, 0.00, 0.43
HSL	243°, 66%, 34%
HSV	243°, 79%, 57%
XYZ	6.2682, 3.3302, 27.1005
YIQ	44.6050, -33.9350, 36.8250

Conversions

Conversions Part 2

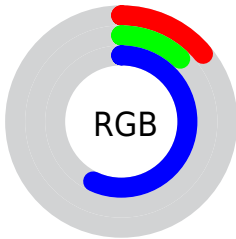
Format	Color
R _Y B	35, 30, 145
Decimal	2301585
CIE Lab	21.32, 41.15, -61.46
CIE LCh	21, 73.962, 303.801
Yxy	3.3302, 0.1708, 0.0907
Android (android.graphics.Color)	4280491665 (0xFF231E91)
YUV	44.6050, 49.4947, -8.4236
Hunter-Lab	18.2488, 29.3770, -75.2745




Details

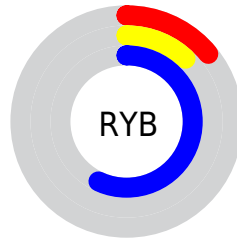
The Hex color **231E91** is a dark color, and the websafe version is hex **333399**. A complement of this color would be **8C911E**, and the grayscale version is **2C2C2C**.




A 20% lighter version of the original color is **634CC8**, and **00005D** is the 20% darker color. If you saturate the color by 10%, you get **151091**, and if you desaturate by 10%, it is **312D91**.

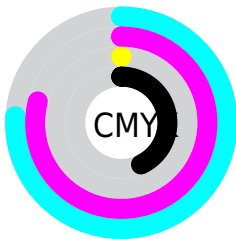
Distribution







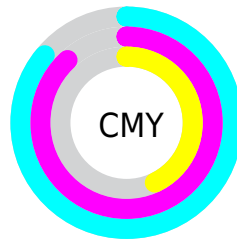
-  Red (14%)
-  Green (12%)
-  Blue (57%)






-  Red (14%)
-  Yellow (12%)
-  Blue (57%)



-  Cyan (76%)
-  Magenta (79%)
-  Yellow (0%)
-  Black (43%)



-  Cyan (86%)
-  Magenta (88%)
-  Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Hex color 231E91 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 231E91 by changing the saturation by 10% instead.

■ 231E91

■ 231E91

FFFFFF

■ 000777

■ 634CC8

■ 00005D

■ 8065E5

■ 000544

■ 9D7FFF

■ 00032D

■ BA99FF

■ 000118

■ D7B4FF

■ 000000

■ F5D0FF

■ FFECFF

■ 231E91

■ 231E91

■ 151091

■ 312D91

■ 070191

■ 3F3B91

■ 060091

■ 4D4A91

■ 5A5891

■ 686791

■ 767591

■ 848491

■ 929291

■ A0A191

Harmonies

Analogous

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



003BA5



231E91



740065

Triad

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



231E91



641800



004539

Complementary

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



231E91



8C911E

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.



004300



231E91



3A3400

Square

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



231E91



810000



003F00



004670

Rectangle

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



231E91



870041



003F00



004526

Sweetspot

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



231E91



918FBD



1E8D91



44435E



DEDEDE



5E5E5E

Same Dimension

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



231E91



1109BD



5B1E91



414047



060087



000008

Inverse Universe

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



911E8C



BD09B5



54911E



474047



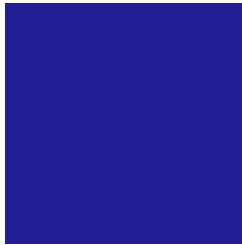
870081



080007

Previews

White Background



This preview shows how the Hex color 231E91 looks on a white background.

Color Contrast Check

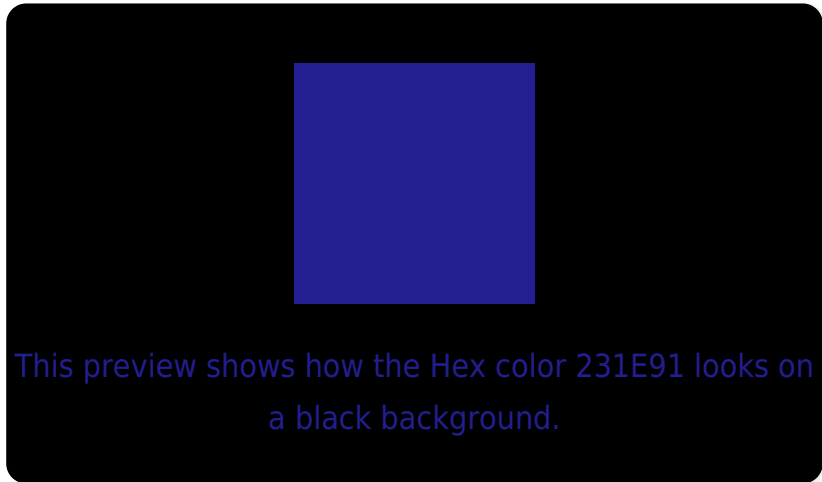
Large Text (above 18pt) WCAG AA ✓ Pass

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

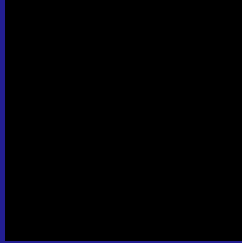
Any Text WCAG AA × Fail

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 231E91 Background



This preview shows how black text looks on a background with the Hex color 231E91.



This preview shows how white text looks on a background with the Hex color 231E91.

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
231E91

Protanopia
003269

Deuteranopia
003559



Tritanopia
003A3D

Trichromacy



Original Color
231E91

Protanomaly
0D2B78

Deuteranomaly
0D2D6D

Tritanomaly
0D305C

Monochromacy



Original Color
231E91

Achromatopsia
2D2D2D

Achromatomaly
292851

CSS Examples

Text

The CSS property to change the color of the text to Hex 231E91 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 #231E91 looks like.

```
.text, #text, p{  
    color:#231E91  
}
```

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 #231E91 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #231E91
}
```

Border

The CSS property to change the border of an element to Hex 231E91 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
#231E91 }
```

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

```
.border{ border-color:#231E91 }
```

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

Here you see how a box with a 4 pixel #231E91 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #231E91; -webkit-box-shadow:4px 4px  
4px 4px #231E91; box-shadow:4px 4px 4px  
4px #231E91 }
```

Background

The CSS property to change the background color of an element to Hex 231E91 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#231E91 }
```

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

```
.background{ background-color:#231E91 }
```

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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