

Converting Colors

Hex(231D60)

Have a look what the booklet for
Hex(231D60) contains.

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Color

Hex(231D60)

Conversions

Conversions Part 1

Format	Color
Hex	231D60
RGB	35, 29, 96
RGB Percent	14%, 11%, 38%
CMY	0.8627, 0.8863, 0.6235
CMYK	0.64, 0.70, 0.00, 0.62
HSL	245°, 54%, 25%
HSV	245°, 70%, 38%
XYZ	3.2438, 2.0806, 11.2970
YIQ	38.4320, -17.9310, 22.1090

Conversions

Conversions Part 2

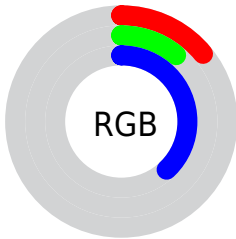
Format	Color
RYB	35, 29, 96
Decimal	2301280
CIELab	15.90, 24.66, -38.97
CIELCh	16, 46.120, 302.330
Yxy	2.0806, 0.1952, 0.1252
Android (android.graphics.Color)	4280491360 (0xFF231D60)
YUV	38.4320, 28.3810, -3.0099
Hunter-Lab	14.4242, 14.8999, -36.3386

Details

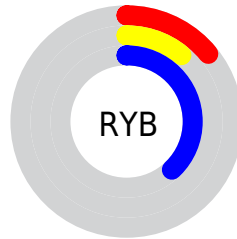
The Hex color **231D60** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **5A601D**, and the grayscale version is **262626**.

A 20% lighter version of the original color is **574993**, and **000031** is the 20% darker color. If you saturate the color by 10%, you get **1A1360**, and if you desaturate by 10%, it is **2C2760**.

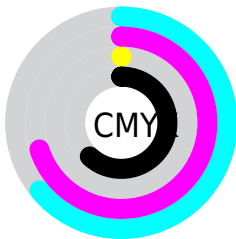
Distribution



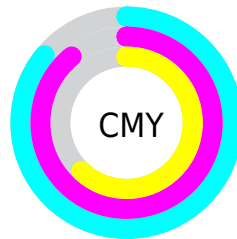
- Red (14%)
- Green (11%)
- Blue (38%)



- Red (14%)
- Yellow (11%)
- Blue (38%)



- Cyan (64%)
- Magenta (70%)
- Yellow (0%)
- Black (62%)



- Cyan (86%)
- Magenta (89%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the Hex color 231D60 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 231D60 by changing the saturation by 10% instead.

■ 231D60

■ 231D60

FFFFFF

■ 030848

■ 574993

■ 000031

■ 7261AE

■ 00011B

■ 8C7ACA

■ 000000

■ A894E6

■ C4AFFF

■ E0CAFF

■ FDE6FF

■ 231D60

■ 231D60

■ 1A1360

■ 2C2760

■ 120A60

■ 343060

■ 090060

■ 3D3A60

■ 464360

■ 4F4D60

■ 575760

■ 606060

■ 696A60

■ 727360

Harmonies

Analogous

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



002C6A



231D60



4F0047

Triad

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



231D60



491900



003429

Complementary

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



231D60



5A601D

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.



003302



231D60



302700

Square

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



231D60



5A0000



0B2F00



00344A

Rectangle

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



231D60



5B0031



0B2F00



00341E

Sweetspot

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



231D60



65637D



1D5A60



313040



BFBFBF



404040

Same Dimension

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



231D60



1D147D



441D60



2C2C30



0A0070



1500F0

Inverse Universe

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



601D5A



7D1474



39601D



302C30



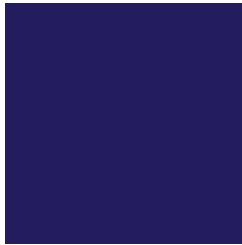
700066



F000DA

Previews

White Background



This preview shows how the Hex color 231D60 looks on a white background.

Color Contrast Check

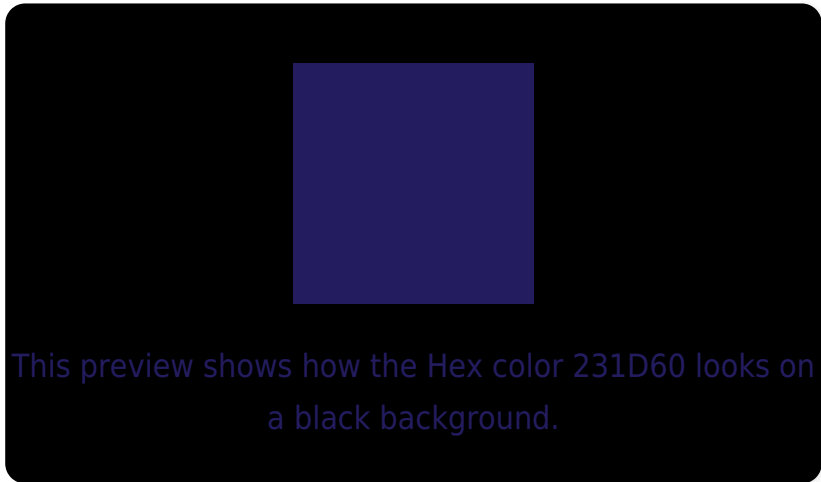
Large Text (above 18pt) WCAG AA ✓ Pass

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

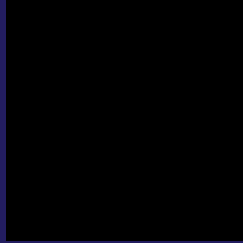
Any Text WCAG AA × Fail

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 231D60 Background



This preview shows how black text looks on a background with the Hex color 231D60.



This preview shows how white text looks on a background with the Hex color 231D60.

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
231D60

Protanopia
002752

Deuteranopia
002946

Trichromacy



Original Color
231D60

Protanomaly
0D2357

Deuteranomaly
0D254F

Tritanomaly
0D2741

Monochromacy



Original Color
231D60

Achromatopsia
262626

Achromatomaly
25233B

CSS Examples

Text

The CSS property to change the color of the text to Hex 231D60 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 #231D60 looks like.

```
.text, #text, p{  
    color:#231D60  
}
```

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 #231D60 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #231D60
}
```

Border

The CSS property to change the border of an element to Hex 231D60 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
#231D60 }
```

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

```
.border{ border-color:#231D60 }
```

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

Here you see how a box with a 4 pixel #231D60 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #231D60; -webkit-box-shadow:4px 4px  
4px 4px #231D60; box-shadow:4px 4px 4px  
4px #231D60 }
```

Background

The CSS property to change the background color of an element to Hex 231D60 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#231D60 }
```

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

```
.background{ background-color:#231D60 }
```

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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