

# Converting Colors

Hex(230180)

Have a look what the booklet for  
Hex(230180) contains.

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# Color

**Hex(230180)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	230180
RGB	35, 1, 128
RGB Percent	14%, 0%, 50%
CMY	0.8627, 0.9961, 0.4980
CMYK	0.73, 0.99, 0.00, 0.50
HSL	256°, 98%, 25%
HSV	256°, 99%, 50%
XYZ	4.6003, 1.9375, 20.5536
YIQ	25.6440, -20.5030, 46.7050

# Conversions

## Conversions Part 2

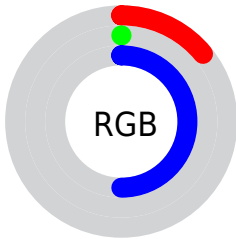
<b>Format</b>	<b>Color</b>
<b>RYB</b>	35, 1, 128
Decimal	2294144
CIELab	15.16, 47.92, -61.01
CIELCh	15, 77.582, 308.148
Yxy	1.9375, 0.1698, 0.0715
Android (android.graphics.Color)	4280484224 (0xFF230180)
YUV	25.6440, 50.4615, 8.2052
Hunter-Lab	13.9196, 34.6331, -77.8037

# Details

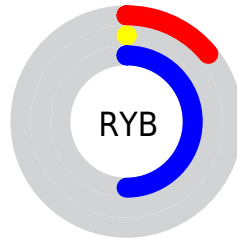
The Hex color **230180** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **5E8001**, and the grayscale version is **191919**.

A 20% lighter version of the original color is **6136B6**, and **00004D** is the 20% darker color. If you saturate the color by 10%, you get **220080**, and if you desaturate by 10%, it is **2C0E80**.

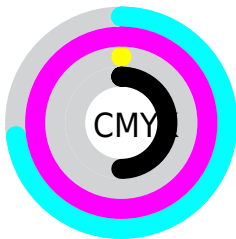
# Distribution



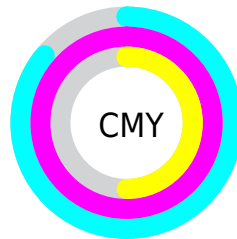
- Red (14%)
- Green (0%)
- Blue (50%)



- Red (14%)
- Yellow (0%)
- Blue (50%)



- Cyan (73%)
- Magenta (99%)
- Yellow (0%)
- Black (50%)



- Cyan (86%)
- Magenta (100%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 230180 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 230180 by changing the saturation by 10% instead.



 230180

 230180

 FFF1FF

 000066

 6136B6

 00004D

 7D4FD2

 000535

 9A68EF

 00021F

 B782FF

 000002

 D49DFF

 000000

 F2B9FF

 FFD5FF

 230180

 230180

■ 220080

■ 2C0E80

■ 361B80

■ 3F2780

■ 483480

■ 524180

■ 5B4E80

■ 655B80

■ 6E6780

■ 777480

# Harmonies

## Analogous

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



002D99



230180



6B0050

# Triad

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



230180



4F0E00



003735

# Complementary

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



230180



5E8001

# 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



230180



232900

# Square

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



230180



6D0000



003200



00396B

# Rectangle

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



230180



79002C



003200



003621



# Sweetspot

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



230180



8174A6



015E80



3E3654



D4D4D4



545454



# Same Dimension

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



230180



2C00A6



620180



3B3940



220080



000000



# Inverse Universe

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



80015E



A60079



1F8001



40393E



80005D

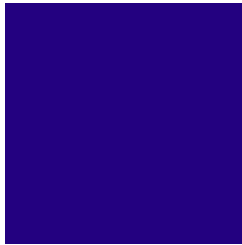


000000



# Previews

## White Background



This preview shows how the Hex color 230180 looks on a white background.

## Color Contrast Check

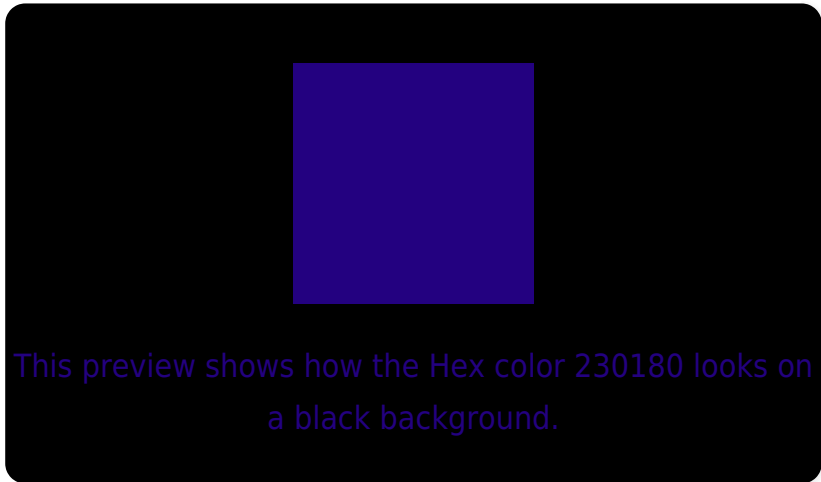
Large Text (above 18pt) WCAG AA ✓ Pass

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

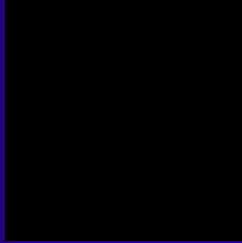
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 230180 Background



This preview shows how black text looks on a background with the Hex color 230180.



This preview shows how white text looks on a background with the Hex color 230180.

# 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**  
230180

**Protanopia**  
002854

**Deuteranopia**  
002B48



**Tritanopia**  
002E31

# Trichromacy



**Original Color**  
230180

**Protanomaly**  
0D1A64

**Deuteranomaly**  
0D1C5C

**Tritanomaly**  
0D1E4E

# Monochromacy



**Original Color**  
230180

**Achromatopsia**  
1A1A1A

**Achromatomaly**  
1D113F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 230180 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 #230180 looks like.

```
.text, #text, p{  
    color:#230180  
}
```

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 #230180 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #230180
}
```

## Border

The CSS property to change the border of an element to Hex 230180 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
#230180 }
```

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

```
.border{ border-color:#230180 }
```

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

Here you see how a box with a 4 pixel #230180 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #230180; -webkit-box-shadow:4px 4px  
4px 4px #230180; box-shadow:4px 4px 4px  
4px #230180 }
```

# Background

The CSS property to change the background color of an element to Hex 230180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#230180 }
```

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

```
.background{ background-color:#230180 }
```

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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