

# Converting Colors

Hex(23007A)

Have a look what the booklet for  
Hex(23007A) contains.

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# Color

**Hex(23007A)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | 23007A                     |
| RGB         | 35, 0, 122                 |
| RGB Percent | 14%, 0%, 48%               |
| CMY         | 0.8627, 1.0000, 0.5216     |
| CMYK        | 0.71, 1.00, 0.00, 0.52     |
| HSL         | 257°, 100%, 24%            |
| HSV         | 257°, 100%, 48%            |
| XYZ         | 4.2060, 1.7625, 18.5309    |
| YIQ         | 24.3730, -18.3020, 45.3620 |

# Conversions

## Conversions Part 2

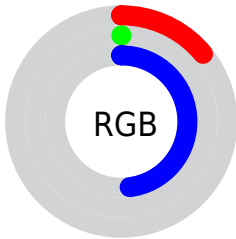
| <b>Format</b>                       | <b>Color</b>                  |
|-------------------------------------|-------------------------------|
| <b>RYB</b>                          | 35, 0, 122                    |
| Decimal                             | 2293882                       |
| CIELab                              | 14.19, 46.73, -58.79          |
| CIELCh                              | 14, 75.099, 308.484           |
| Yxy                                 | 1.7625, 0.1717,<br>0.0719     |
| Android<br>(android.graphics.Color) | 4280483962<br>(0xFF23007A)    |
| YUV                                 | 24.3730, 48.1301,<br>9.3199   |
| Hunter-Lab                          | 13.2758, 33.3191,<br>-73.4662 |

# Details

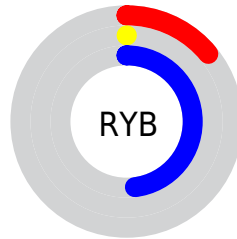
The Hex color **23007A** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **577A00**, and the grayscale version is **181818**.

A 20% lighter version of the original color is **6035B0**, and **000048** is the 20% darker color. If you saturate the color by 10%, you get **23007A**, and if you desaturate by 10%, it is **2C0C7A**.

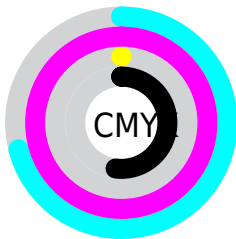
# Distribution



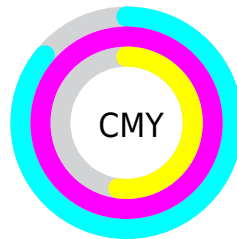
- Red (14%)
- Green (0%)
- Blue (48%)



- Red (14%)
- Yellow (0%)
- Blue (48%)



- Cyan (71%)
- Magenta (100%)
- Yellow (0%)
- Black (52%)



- Cyan (86%)
- Magenta (100%)
- Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 23007A 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 23007A by changing the saturation by 10% instead.



 23007A

 23007A

 FFEFFF

 000060

 6035B0

 000048

 7C4DCC

 000430

 9867E8

 00011A

 B581FF

 000000

 D29BFF

 F0B7FF

 FFD3FF

 23007A

■ 2C0C7A

■ 34187A

■ 3D257A

■ 46317A

■ 4F3D7A

■ 57497A

■ 60557A

■ 69627A

■ 716E7A

# Harmonies

## Analogous

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



002B92



23007A



67004C

# Triad

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



23007A



4B0D00



003433

# Complementary

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



23007A



577A00

# 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.



003300



23007A



202700

# Square

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



23007A



680000



003000



003767

# Rectangle

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



23007A



74002A



003000



003420



# Sweetspot

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



23007A



7C6F9E



00577A



3B334F



CFCFCF



4F4F4F



# Same Dimension

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



23007A



2D009E



60007A



39373D



24007D



4800FC



# Inverse Universe

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



7A0057



9E0071



1A7A00



3D373B



7D0059

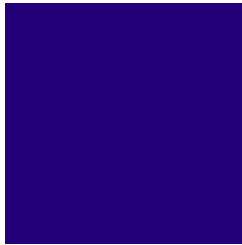


FC00B4



# Previews

## White Background



This preview shows how the Hex color 23007A looks on a white background.

## Color Contrast Check

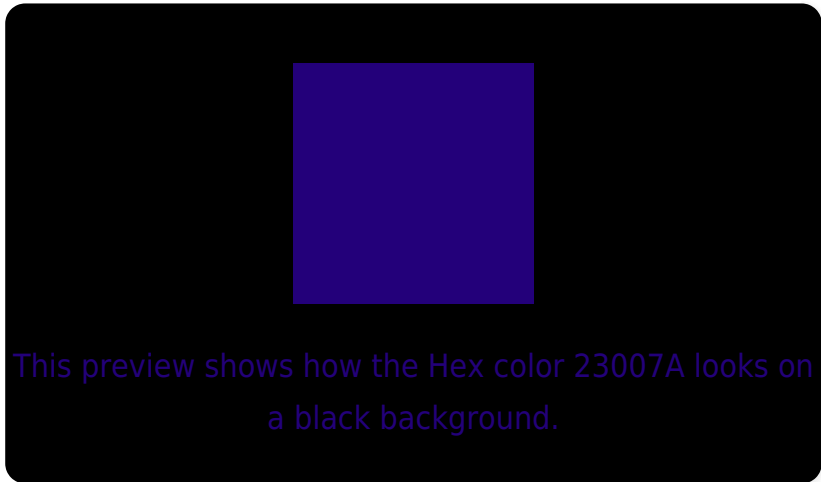
Large Text (above 18pt) WCAG AA ✓ Pass

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

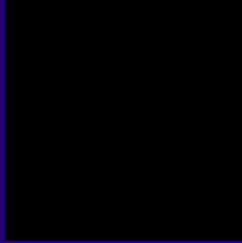
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 23007A Background



This preview shows how black text looks on a background with the Hex color 23007A.



This preview shows how white text looks on a background with the Hex color 23007A.

# 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**  
23007A

**Protanopia**  
002751

**Deuteranopia**  
002945



# Trichromacy



**Original Color**  
23007A

**Protanomaly**  
0D1960

**Deuteranomaly**  
0D1A58

**Tritanomaly**  
0D1C4A

# Monochromacy



**Original Color**  
23007A

**Achromatopsia**  
181818

**Achromatomaly**  
1C0F3C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 23007A 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 #23007A looks like.

```
.text, #text, p{  
    color:#23007A  
}
```

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 #23007A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #23007A
}
```

## Border

The CSS property to change the border of an element to Hex 23007A 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
#23007A }
```

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

```
.border{ border-color:#23007A }
```

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

Here you see how a box with a 4 pixel #23007A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #23007A; -webkit-box-shadow:4px 4px  
4px 4px #23007A; box-shadow:4px 4px 4px  
4px #23007A }
```

# Background

The CSS property to change the background color of an element to Hex 23007A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#23007A }
```

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

```
.background{ background-color:#23007A }
```

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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