

# Converting Colors

Hex(120CA0)

Have a look what the booklet for  
Hex(120CA0) contains.

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# Color

**Hex(120CA0)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	120CA0
RGB	18, 12, 160
RGB Percent	7%, 5%, 63%
CMY	0.9294, 0.9529, 0.3725
CMYK	0.89, 0.92, 0.00, 0.37
HSL	242°, 86%, 34%
HSV	242°, 92%, 63%
XYZ	6.7261, 2.9296, 33.4687
YIQ	30.6660, -43.9320, 47.3000

# Conversions

## Conversions Part 2

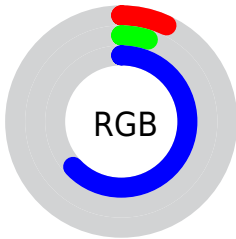
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	18, 12, 160
Decimal	1182880
CIE <sub>Lab</sub>	19.76, 52.68, -73.32
CIE <sub>LCh</sub>	20, 90.282, 305.695
Yxy	2.9296, 0.1560, 0.0679
Android (android.graphics.Color)	4279372960 (0xFF120CA0)
YUV	30.6660, 63.7617, -11.1081
Hunter-Lab	17.1161, 40.1917, -103.9539

# Details

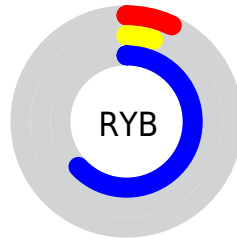
The Hex color **120CA0** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **9AA00C**, and the grayscale version is **1E1E1E**.

A 20% lighter version of the original color is **613FD8**, and **00006B** is the 20% darker color. If you saturate the color by 10%, you get **0600A0**, and if you desaturate by 10%, it is **211CA0**.

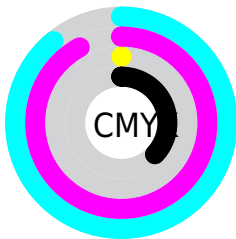
# Distribution



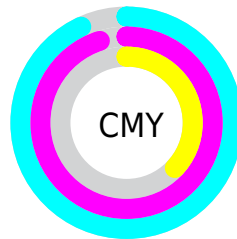
- Red (7%)
- Green (5%)
- Blue (63%)



- Red (7%)
- Yellow (5%)
- Blue (63%)



- Cyan (89%)
- Magenta (92%)
- Yellow (0%)
- Black (37%)



- Cyan (93%)
- Magenta (95%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 120CA0 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 120CA0 by changing the saturation by 10% instead.




 120CA0

 120CA0

 FFFDFD

 000085

 613FD8

 00006B

 8058F5

 000451

 9E72FF

 000539

 BC8CFF

 000223

 DAA8FF

 00000A

 F8C3FF

 000000

 FFE0FF

 120CA0

 120CA0

■ 0600A0

■ 211CA0

■ 312CA0

■ 403CA0

■ 4F4CA0

■ 5F5CA0

■ 6E6CA0

■ 7D7CA0

■ 8D8CA0

■ 9C9CA0

# Harmonies

## Analogous

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



003ABB



120CA0



800068

# Triad

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



120CA0



640B00



00433C

# Complementary

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



120CA0



9AA00C

# 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.



004200



120CA0



313200

# Square

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



120CA0



880000



003D00



00467E

# Rectangle

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



120CA0



93003D



003D00



004324



# Sweetspot

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



120CA0



9997D1



0C9BA0



464569



E8E8E8



696969



# Same Dimension

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



120CA0



0800D1



5B0CA0



47474F



06008F



01000F



# Inverse Universe

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



A00C9A



D100C9



51A00C



4F474F



8F0089

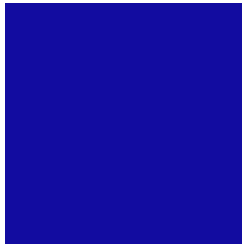


0F000F



# Previews

## White Background



This preview shows how the Hex color 120CA0 looks on a white background.

## Color Contrast Check

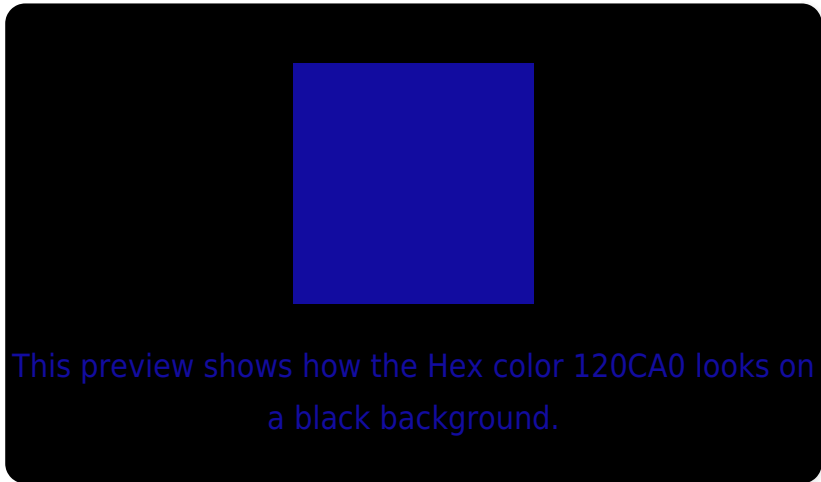
Large Text (above 18pt) WCAG AA ✓ Pass

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

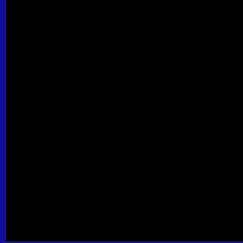
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 120CA0 Background



This preview shows how black text looks on a background with the Hex color 120CA0.



This preview shows how white text looks on a background with the Hex color 120CA0.

# 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**  
120CA0

**Protanopia**  
003065

**Deuteranopia**  
003355



**Tritanopia**  
00373A

# Trichromacy



**Original Color**  
120CA0

**Protanomaly**  
07237A

**Deuteranomaly**  
072570

**Tritanomaly**  
07275F

# Monochromacy



**Original Color**  
120CA0

**Achromatopsia**  
1F1F1F

**Achromatomaly**  
1A184E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 120CA0 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 #120CA0 looks like.

```
.text, #text, p{  
    color:#120CA0  
}
```

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 #120CA0 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #120CA0
}
```

## Border

The CSS property to change the border of an element to Hex 120CA0 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
#120CA0 }
```

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

```
.border{ border-color:#120CA0 }
```

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

Here you see how a box with a 4 pixel #120CA0 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #120CA0; -webkit-box-shadow:4px 4px  
4px 4px #120CA0; box-shadow:4px 4px 4px  
4px #120CA0 }
```

# Background

The CSS property to change the background color of an element to Hex 120CA0 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#120CA0 }
```

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

```
.background{ background-color:#120CA0 }
```

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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