

# Converting Colors

Hex(1A0780)

Have a look what the booklet for  
Hex(1A0780) contains.

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# Color

**Hex(1A0780)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	1A0780
RGB	26, 7, 128
RGB Percent	10%, 3%, 50%
CMY	0.8980, 0.9725, 0.4980
CMYK	0.80, 0.95, 0.00, 0.50
HSL	249°, 90%, 26%
HSV	249°, 95%, 50%
XYZ	4.3983, 1.9301, 20.5628
YIQ	26.4750, -27.5170, 41.6590

# Conversions

## Conversions Part 2

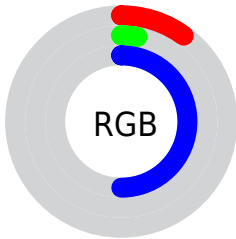
<b>Format</b>	<b>Color</b>
<b>RYB</b>	26, 7, 128
Decimal	1705856
CIELab	15.12, 45.39, -61.10
CIELCh	15, 76.112, 306.608
Yxy	1.9301, 0.1636, 0.0718
Android (android.graphics.Color)	4279895936 (0xFF1A0780)
YUV	26.4750, 50.0518, -0.4166
Hunter-Lab	13.8927, 32.1985, -78.0309

# Details

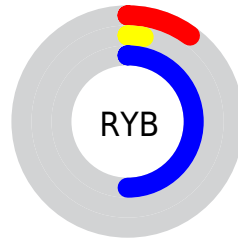
The Hex color **1A0780** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **6D8007**, and the grayscale version is **1A1A1A**.

A 20% lighter version of the original color is **5B39B6**, and **00004D** is the 20% darker color. If you saturate the color by 10%, you get **140080**, and if you desaturate by 10%, it is **251480**.

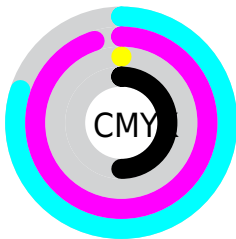
# Distribution



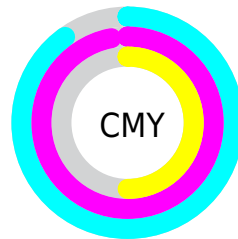
- Red (10%)
- Green (3%)
- Blue (50%)



- Red (10%)
- Yellow (3%)
- Blue (50%)



- Cyan (80%)
- Magenta (95%)
- Yellow (0%)
- Black (50%)



- Cyan (90%)
- Magenta (97%)
- Yellow (50%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1A0780 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 1A0780 by changing the saturation by 10% instead.



 1A0780

 1A0780

 FFF3FF

 000066

 5B39B6

 00004D

 7852D2

 000535

 956BEF

 00021F

 B285FF

 000002

 CF9FFF

 000000

 ECBBFF

 FFD7FF

 1A0780

 1A0780

■ 140080

■ 251480

■ 302180

■ 3A2D80

■ 453A80

■ 504780

■ 5B5480

■ 666180

■ 706D80

■ 7B7A80

# Harmonies

## Analogous

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



002E97



1A0780



680052

# Triad

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



1A0780



500B00



003731

# Complementary

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



1A0780



6D8007

# 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.



003500



1A0780



252800

# Square

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



1A0780



6D0000



003200



003967

# Rectangle

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



1A0780



77002F



003200



00361E



# Sweetspot

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



1A0780



7F77A6



076E80



3C3854



D4D4D4



545454



# Same Dimension

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



1A0780



1A00A6



560780



3A3940



140080



000000



# Inverse Universe

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



80076D



A6008C



318007



40393F



80006B

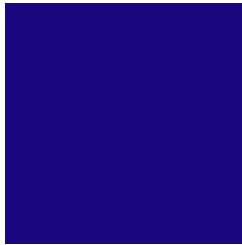


000000



# Previews

## White Background



This preview shows how the Hex color 1A0780 looks on a white background.

## Color Contrast Check

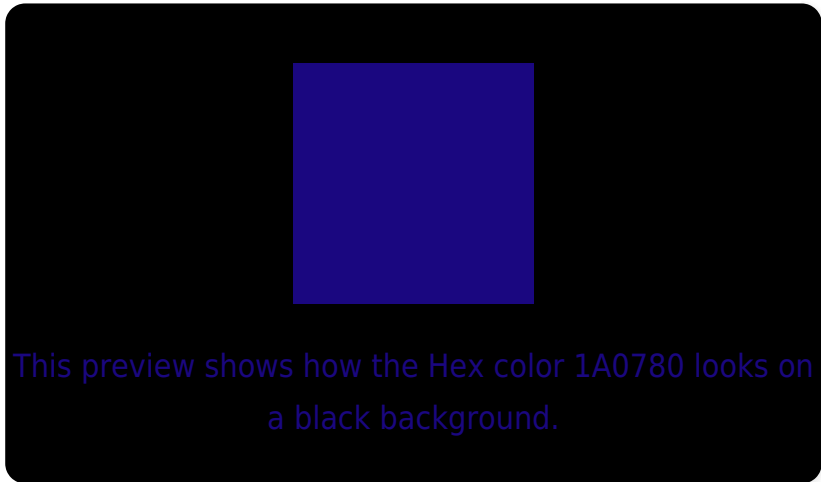
Large Text (above 18pt) WCAG AA ✓ Pass

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

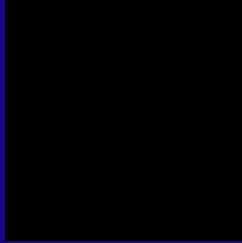
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 1A0780 Background



This preview shows how black text looks on a background with the Hex color 1A0780.



This preview shows how white text looks on a background with the Hex color 1A0780.

# 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**

1A0780

**Protanopia**

002752

**Deuteranopia**

002A46

# Trichromacy



**Original Color**  
1A0780

**Protanomaly**  
091B63

**Deuteranomaly**  
091D5B

# Monochromacy



**Original Color**  
1A0780

**Achromatopsia**  
1A1A1A

**Achromatomaly**  
1A133F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1A0780 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 #1A0780 looks like.

```
.text, #text, p{  
    color:#1A0780  
}
```

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 #1A0780 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1A0780
}
```

## Border

The CSS property to change the border of an element to Hex 1A0780 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
#1A0780 }
```

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

```
.border{ border-color:#1A0780 }
```

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

Here you see how a box with a 4 pixel #1A0780 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1A0780; -webkit-box-shadow:4px 4px  
4px 4px #1A0780; box-shadow:4px 4px 4px  
4px #1A0780 }
```

# Background

The CSS property to change the background color of an element to Hex 1A0780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1A0780 }
```

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

```
.background{ background-color:#1A0780 }
```

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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