

# Converting Colors

Hex(1E0070)

Have a look what the booklet for  
Hex(1E0070) contains.

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# Color

**Hex(1E0070)**

# Conversions

## Conversions Part 1

Format	Color
Hex	1E0070
RGB	30, 0, 112
RGB Percent	12%, 0%, 44%
CMY	0.8824, 1.0000, 0.5608
CMYK	0.73, 1.00, 0.00, 0.56
HSL	256°, 100%, 22%
HSV	256°, 100%, 44%
XYZ	3.4601, 1.4459, 15.4259
YIQ	21.7380, -18.0720, 41.1920

# Conversions

## Conversions Part 2

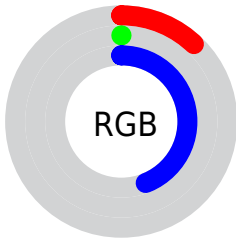
<b>Format</b>	<b>Color</b>
<b>RYB</b>	30, 0, 112
Decimal	1966192
CIELab	12.26, 43.90, -55.54
CIElCh	12, 70.795, 308.325
Yxy	1.4459, 0.1702, 0.0711
Android (android.graphics.Color)	4280156272 (0xFF1E0070)
YUV	21.7380, 44.4992, 7.2458
Hunter-Lab	12.0244, 30.3209, -67.6450

# Details

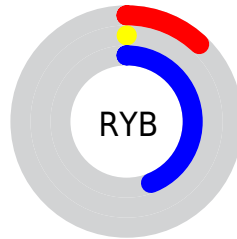
The Hex color **1E0070** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **527000**, and the grayscale version is **151515**.

A 20% lighter version of the original color is **5A32A5**, and **00003F** is the 20% darker color. If you saturate the color by 10%, you get **1E0070**, and if you desaturate by 10%, it is **260B70**.

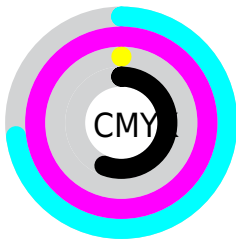
# Distribution



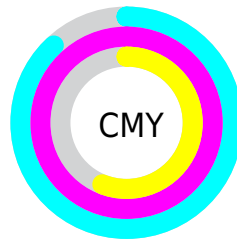
- Red (12%)
- Green (0%)
- Blue (44%)



- Red (12%)
- Yellow (0%)
- Blue (44%)



- Cyan (73%)
- Magenta (100%)
- Yellow (0%)
- Black (56%)



- Cyan (88%)
- Magenta (100%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1E0070 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 1E0070 by changing the saturation by 10% instead.



 1E0070

 1E0070

 FFECFF

 000057

 5A32A5

 00003F

 764BC1

 000328

 9264DD

 000111

 AE7DFA

 000000

 CB98FF

 E8B3FF

 FFCFFF

 1E0070

■ 260B70

■ 2E1670

■ 372270

■ 3F2D70

■ 473870

■ 4F4370

■ 574E70

■ 605A70

■ 686570

# Harmonies

## Analogous

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



002686



1E0070



5E0045

# Triad

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



1E0070



440B00



002F2D

# Complementary

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



1E0070



527000

# 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.



002E00



1E0070



1D2300

# Square

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



1E0070



5F0000



002C00



00325E

# Rectangle

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



1E0070



6A0025



002C00



002E1C



# Sweetspot

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



1E0070



716691



005270



362F4A



C9C9C9



4A4A4A



# Same Dimension

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



1E0070



270091



560070



343238



200078



4200F7



# Inverse Universe

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



700052



91006A



1A7000



383237



780058

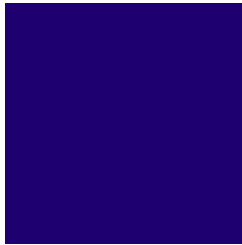


F700B5



# Previews

## White Background



This preview shows how the Hex color 1E0070 looks on a white background.

## Color Contrast Check

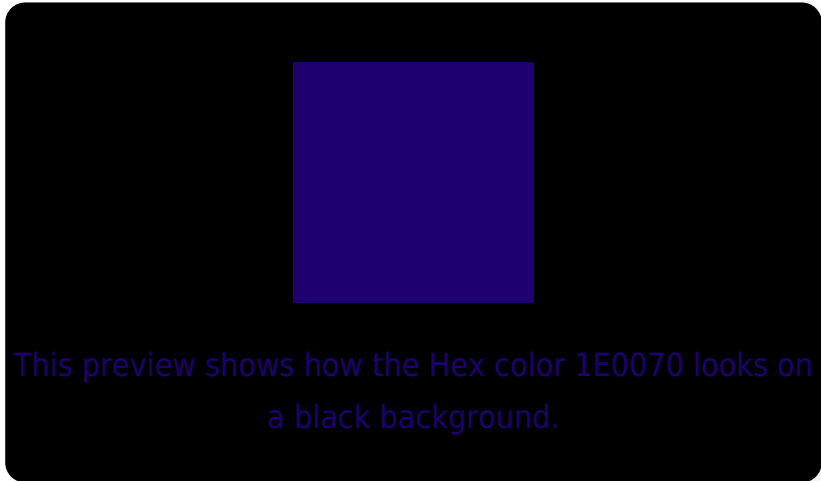
Large Text (above 18pt) WCAG AA ✓ Pass

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

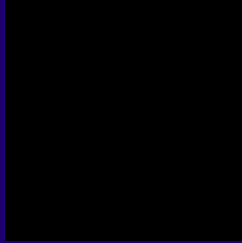
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 1E0070 Background



This preview shows how black text looks on a background with the Hex color 1E0070.



This preview shows how white text looks on a background with the Hex color 1E0070.

# 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**  
1E0070

**Protanopia**  
00234A

**Deuteranopia**  
00263F



**Tritanopia**  
00282B

# Trichromacy



**Original Color**  
1E0070

**Protanomaly**  
0B1658

**Deuteranomaly**  
0B1851

**Tritanomaly**  
0B1944

# Monochromacy



**Original Color**  
1E0070

**Achromatopsia**  
161616

**Achromatomaly**  
190E37

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1E0070 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 #1E0070 looks like.

```
.text, #text, p{  
    color:#1E0070  
}
```

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 #1E0070 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1E0070
}
```

## Border

The CSS property to change the border of an element to Hex 1E0070 is called "border". The border property can be set on classes, ids or directly on the HTML element.

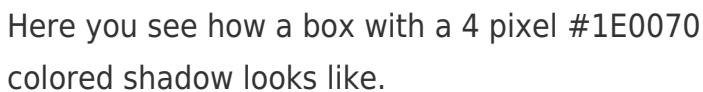
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#1E0070 }
```

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

```
.border{ border-color:#1E0070 }
```

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



Here you see how a box with a 4 pixel #1E0070 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1E0070; -webkit-box-shadow:4px 4px  
4px 4px #1E0070; box-shadow:4px 4px 4px  
4px #1E0070 }
```

# Background

The CSS property to change the background color of an element to Hex 1E0070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1E0070 }
```

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

```
.background{ background-color:#1E0070 }
```

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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