

Converting Colors

Hex(1B0087)

Have a look what the booklet for
Hex(1B0087) contains.

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Color

Hex(1B0087)

Conversions

Conversions Part 1

Format	Color
Hex	1B0087
RGB	27, 0, 135
RGB Percent	11%, 0%, 53%
CMY	0.8941, 1.0000, 0.4706
CMYK	0.80, 1.00, 0.00, 0.47
HSL	252°, 100%, 26%
HSV	252°, 100%, 53%
XYZ	4.8252, 1.9823, 23.0500
YIQ	23.4630, -27.2430, 47.7090

Conversions

Conversions Part 2

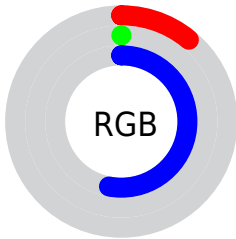
Format	Color
RYB	27, 0, 135
Decimal	1769607
CIELab	15.39, 49.82, -65.07
CIELCh	15, 81.951, 307.438
Yxy	1.9823, 0.1616, 0.0664
Android (android.graphics.Color)	4279959687 (0xFF1B0087)
YUV	23.4630, 54.9877, 3.1019
Hunter-Lab	14.0794, 36.5353, -87.2109

Details

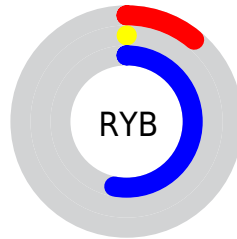
The Hex color **1B0087** is a dark color, and the websafe version is hex **330099**. A complement of this color would be **6C8700**, and the grayscale version is **171717**.

A 20% lighter version of the original color is **5E36BE**, and **000054** is the 20% darker color. If you saturate the color by 10%, you get **1B0087**, and if you desaturate by 10%, it is **260D87**.

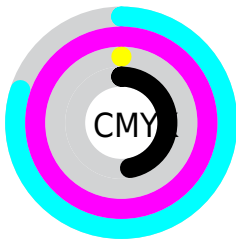
Distribution



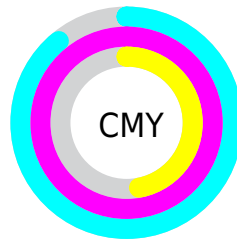
- Red (11%)
- Green (0%)
- Blue (53%)



- Red (11%)
- Yellow (0%)
- Blue (53%)



- Cyan (80%)
- Magenta (100%)
- Yellow (0%)
- Black (47%)



- Cyan (89%)
- Magenta (100%)
- Yellow (47%)

Brightness & Saturation Gradients

These gradients show how the Hex color 1B0087 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 1B0087 by changing the saturation by 10% instead.

 1B0087

 1B0087

 FFF1FF

 00006D

 5E36BE

 000054

 7B4FDA

 00063B

 9868F7

 000225

 B682FF

 00010D

 D39DFF

 000000

 F1B8FF

 FFD4FF

 1B0087

■ 260D87

■ 311B87

■ 3B2987

■ 463687

■ 514487

■ 5C5187

■ 675E87

■ 716C87

■ 7C7A87

Harmonies

Analogous

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



002FA1



1B0087



6F0055

Triad

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



1B0087



520A00



003735

Complementary

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



1B0087



6C8700

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



1B0087



242A00

Square

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



1B0087



720000



003300



003B6F

Rectangle

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



1B0087



7E002F



003300



003720

Sweetspot

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



1B0087



867BB0



006C87



403959



D9D9D9



595959

Same Dimension

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



1B0087



2300B0



5F0087



3D3C42



1A0082



010003

Inverse Universe

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



87006C



B0008D



298700



423C41



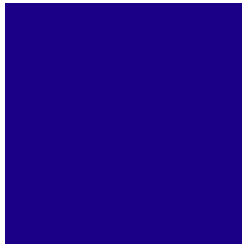
820068



030002

Previews

White Background



This preview shows how the Hex color 1B0087 looks on a white background.

Color Contrast Check

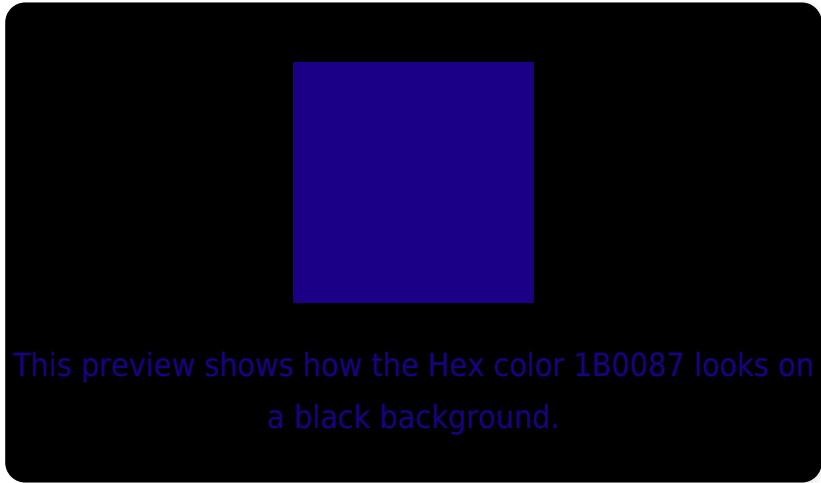
Large Text (above 18pt) WCAG AA ✓ Pass

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

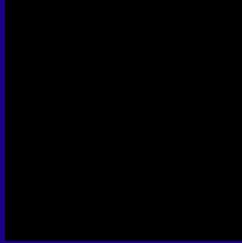
Any Text WCAG AA × Fail

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 1B0087 Background



This preview shows how black text looks on a background with the Hex color 1B0087.



This preview shows how white text looks on a background with the Hex color 1B0087.

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
1B0087

Protanopia
002956

Deuteranopia
002C49



Tritanopia
002F31

Trichromacy



Original Color
1B0087

Protanomaly
0A1A68

Deuteranomaly
0A1C60

Tritanomaly
0A1E50

Monochromacy



Original Color
1B0087

Achromatopsia
171717

Achromatomaly
180F40

CSS Examples

Text

The CSS property to change the color of the text to Hex 1B0087 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 #1B0087 looks like.

```
.text, #text, p{  
    color:#1B0087  
}
```

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 #1B0087 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1B0087
}
```

Border

The CSS property to change the border of an element to Hex 1B0087 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".

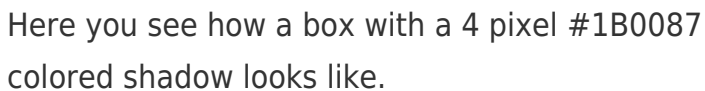
```
.border, #border, table{ border:4px solid
#1B0087 }
```

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

```
.border{ border-color:#1B0087 }
```

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

Here you see how a box with a 4 pixel #1B0087 colored shadow looks like.

A rectangular box with a dark blue border and a dark blue shadow. The box is white with a dark blue border and a dark blue shadow. The shadow is visible on the right and bottom edges of the box.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1B0087; -webkit-box-shadow:4px 4px  
4px 4px #1B0087; box-shadow:4px 4px 4px  
4px #1B0087 }
```

Background

The CSS property to change the background color of an element to Hex 1B0087 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1B0087 }
```

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

```
.background{ background-color:#1B0087 }
```

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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