

# Converting Colors

Hex(130093)

Have a look what the booklet for  
Hex(130093) contains.

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# Color

**Hex(130093)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	130093
RGB	19, 0, 147
RGB Percent	7%, 0%, 58%
CMY	0.9255, 1.0000, 0.4235
CMYK	0.87, 1.00, 0.00, 0.42
HSL	248°, 100%, 29%
HSV	248°, 100%, 58%
XYZ	5.5350, 2.2450, 27.7454
YIQ	22.4390, -35.8630, 49.7450

# Conversions

## Conversions Part 2

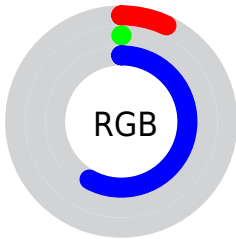
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	19, 0, 147
Decimal	1245331
CIE <sub>Lab</sub>	16.72, 52.75, -70.38
CIE <sub>LCh</sub>	17, 87.952, 306.855
Yxy	2.2450, 0.1558, 0.0632
Android (android.graphics.Color)	4279435411 (0xFF130093)
YUV	22.4390, 61.4086, -3.0160
Hunter-Lab	14.9834, 39.7186, -99.3011

# Details

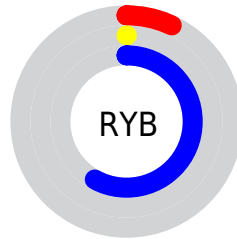
The Hex color **130093** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **809300**, and the grayscale version is **161616**.

A 20% lighter version of the original color is **5E37CA**, and **00005F** is the 20% darker color. If you saturate the color by 10%, you get **130093**, and if you desaturate by 10%, it is **200F93**.

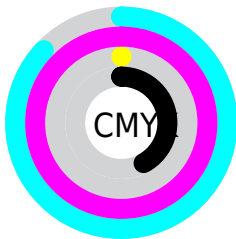
# Distribution



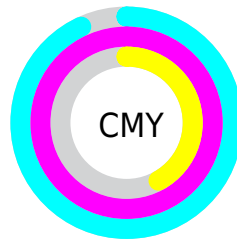
- Red (7%)
- Green (0%)
- Blue (58%)



- Red (7%)
- Yellow (0%)
- Blue (58%)



- Cyan (87%)
- Magenta (100%)
- Yellow (0%)
- Black (42%)



- Cyan (93%)
- Magenta (100%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 130093 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 130093 by changing the saturation by 10% instead.



 130093

 130093

 FFF3FF

 000078

 5E37CA

 00005F

 7C50E7

 000846

 9A6AFF

 00042E

 B884FF

 000119

 D59FFF

 000000

 F4BAFF

 FFD6FF

 130093

■ 200F93

■ 2D1D93

■ 392C93

■ 463B93

■ 534A93

■ 605893

■ 6D6793

■ 797693

■ 868493

# Harmonies

## Analogous

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



0033AE



130093



77005D

# Triad

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



130093



590700



003B37

# Complementary

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



130093



809300

# 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.



003A00



130093



272D00

# Square

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



130093



7B0000



003600



003F76

# Rectangle

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



130093



880033



003600



003A21



# Sweetspot

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



130093



8D86BF



008293



433E61



E0E0E0



616161



# Same Dimension

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



130093



1900BF



5B0093



44434A



12008A



01000A



# Inverse Universe

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



930080



BF00A7



389300



4A4349



8A0078

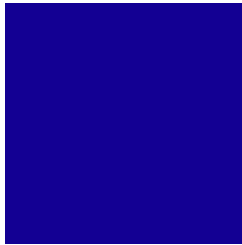


0A0009



# Previews

## White Background



This preview shows how the Hex color 130093 looks on a white background.

## Color Contrast Check

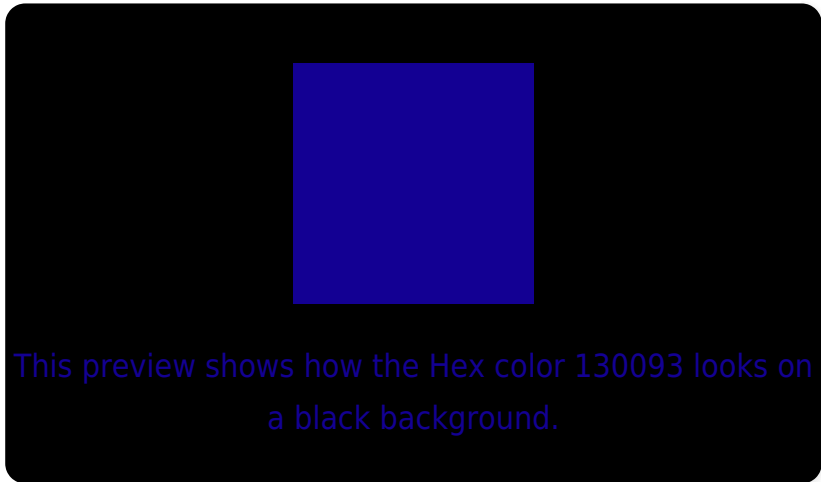
Large Text (above 18pt) WCAG AA ✓ Pass

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

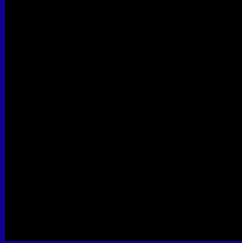
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 130093 Background



This preview shows how black text looks on a background with the Hex color 130093.



This preview shows how white text looks on a background with the Hex color 130093.

# 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**  
130093

**Protanopia**  
002C5B

**Deuteranopia**  
002F4D



# Trichromacy



**Original Color**  
130093

**Protanomaly**  
071C6F

**Deuteranomaly**  
071E66

**Tritanomaly**  
072057

# Monochromacy



**Original Color**  
130093

**Achromatopsia**  
161616

**Achromatomaly**  
150E43

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 130093 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 #130093 looks like.

```
.text, #text, p{  
    color:#130093  
}
```

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 #130093 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #130093
}
```

## Border

The CSS property to change the border of an element to Hex 130093 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
#130093 }
```

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

```
.border{ border-color:#130093 }
```

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

Here you see how a box with a 4 pixel #130093 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #130093; -webkit-box-shadow:4px 4px  
4px 4px #130093; box-shadow:4px 4px 4px  
4px #130093 }
```

# Background

The CSS property to change the background color of an element to Hex 130093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#130093 }
```

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

```
.background{ background-color:#130093 }
```

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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