

Converting Colors

Hex(170022)

Have a look what the booklet for
Hex(170022) contains.

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Color

Hex(170022)

Conversions

Conversions Part 1

Format	Color
Hex	170022
RGB	23, 0, 34
RGB Percent	9%, 0%, 13%
CMY	0.9098, 1.0000, 0.8667
CMYK	0.32, 1.00, 0.00, 0.87
HSL	281°, 100%, 7%
HSV	281°, 100%, 13%
XYZ	0.6421, 0.2977, 1.5370
YIQ	10.7530, 2.7940, 15.4500

Conversions

Conversions Part 2

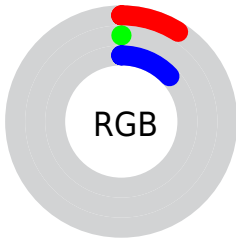
Format	Color
RYB	23, 0, 34
Decimal	1507362
CIELab	2.69, 14.71, -16.11
CIELCh	3, 21.820, 312.399
Yxy	0.2977, 0.2592, 0.1202
Android (android.graphics.Color)	4279697442 (0xFF170022)
YUV	10.7530, 11.4608, 10.7406
Hunter-Lab	5.4557, 11.4600, -12.8841

Details

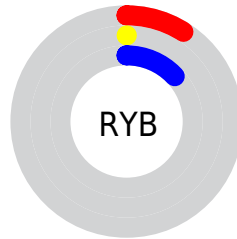
The Hex color **170022** is a dark color, and the websafe version is hex **000033**. A complement of this color would be **0B2200**, and the grayscale version is **0B0B0B**.

A 20% lighter version of the original color is **402F4E**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **170022**, and if you desaturate by 10%, it is **180322**.

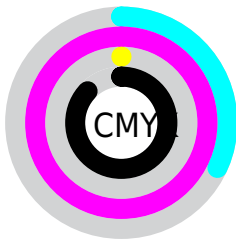
Distribution



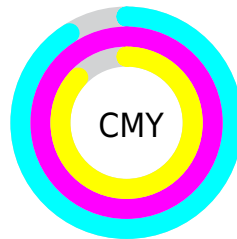
- Red (9%)
- Green (0%)
- Blue (13%)



- Red (9%)
- Yellow (0%)
- Blue (13%)



- Cyan (32%)
- Magenta (100%)
- Yellow (0%)
- Black (87%)



- Cyan (91%)
- Magenta (100%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Hex color 170022 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 170022 by changing the saturation by 10% instead.

 170022

 170022


 F9E2FF

 000009

 402F4E

 000000

 584666

 715E7F

 8A7699

 A590B4

 C0ABD0

 DCC6EC

 170022

■ 180322

■ 190722

■ 1A0A22

■ 1B0E22

■ 1D1122

■ 1E1422

■ 1F1822

■ 201B22

■ 211F22

Harmonies

Analogous

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



000928



170022



230016

Triad

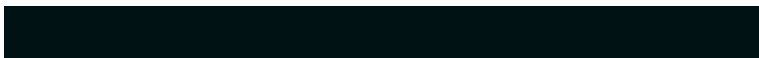
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



170022



190400



001213

Complementary

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



170022



0B2200

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.



001100



170022



030D00

Square

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



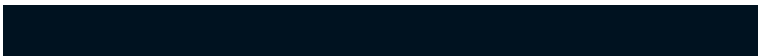
170022



240000



001100



001220

Rectangle

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



170022



270009



001100



00110B

Sweetspot

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



170022



271E2B



000B22



140F17



969696



171717

Same Dimension

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



170022



1D002B



22001C



111012



370052



8D00D1

Inverse Universe

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



22000B



2B000E



002206



121011



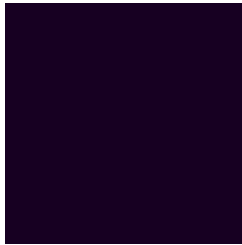
52001A



D10044

Previews

White Background



This preview shows how the Hex color 170022 looks on a white background.

Color Contrast Check

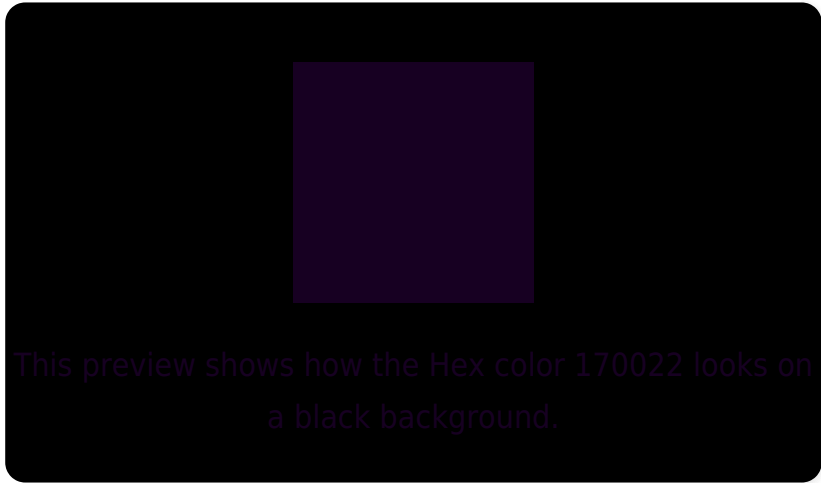
Large Text (above 18pt) WCAG AA ✓ Pass

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

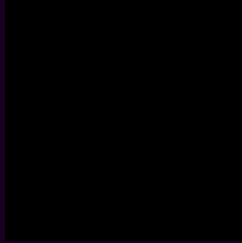
Any Text WCAG AA × Fail

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 170022 Background



This preview shows how black text looks on a background with the Hex color 170022.



This preview shows how white text looks on a background with the Hex color 170022.

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
170022

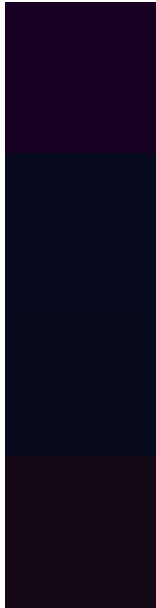
Protanopia
000F1F

Deuteranopia
000F1A



Tritanopia
130D0E

Trichromacy



Original Color
170022

Protanomaly
080A20

Deuteranomaly
080A1D

Tritanomaly
140815

Monochromacy



Original Color
170022

Achromatopsia
0B0B0B

Achromatomaly
0F0713

CSS Examples

Text

The CSS property to change the color of the text to Hex 170022 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 #170022 looks like.

```
.text, #text, p{  
    color:#170022  
}
```

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 #170022 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #170022
}
```

Border

The CSS property to change the border of an element to Hex 170022 is called "border". The border property can be set on classes, ids or directly on the HTML element.

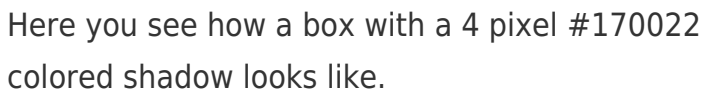
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#170022 }
```

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

```
.border{ border-color:#170022 }
```

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



Here you see how a box with a 4 pixel #170022 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #170022; -webkit-box-shadow:4px 4px  
4px 4px #170022; box-shadow:4px 4px 4px  
4px #170022 }
```

Background

The CSS property to change the background color of an element to Hex 170022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#170022 }
```

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

```
.background{ background-color:#170022 }
```

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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