

Converting Colors

Hex(170A02)

Have a look what the booklet for
Hex(170A02) contains.

Hex(170A02)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(170A02)

Conversions

Conversions Part 1

Format	Color
Hex	170A02
RGB	23, 10, 2
RGB Percent	9%, 4%, 1%
CMY	0.9098, 0.9608, 0.9922
CMYK	0.00, 0.57, 0.91, 0.91
HSL	23°, 84%, 5%
HSV	23°, 91%, 9%
XYZ	0.4728, 0.4036, 0.1104
YIQ	12.9750, 10.3160, 0.2680

Conversions

Conversions Part 2

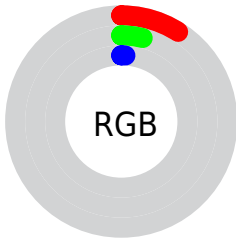
Format	Color
RYB	23, 15, 2
Decimal	1509890
CIELab	3.65, 3.65, 4.71
CIELCh	4, 5.959, 52.172
Yxy	0.4036, 0.4791, 0.4090
Android (android.graphics.Color)	4279699970 (0xFF170A02)
YUV	12.9750, -5.4107, 8.7919
Hunter-Lab	6.3531, 2.1673, 3.4167

Details

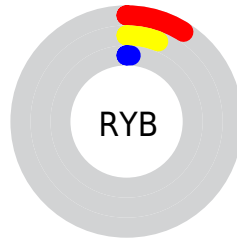
The Hex color **170A02** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **020F17**, and the grayscale version is **0D0D0D**.

A 20% lighter version of the original color is **413631**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **170900**, and if you desaturate by 10%, it is **170B04**.

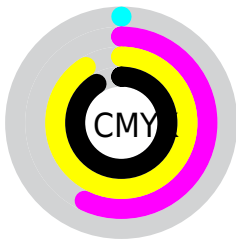
Distribution



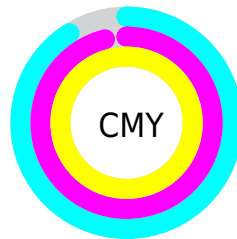
- Red (9%)
- Green (4%)
- Blue (1%)



- Red (9%)
- Yellow (6%)
- Blue (1%)



- Cyan (0%)
- Magenta (57%)
- Yellow (91%)
- Black (91%)



- Cyan (91%)
- Magenta (96%)
- Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the Hex color 170A02 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 170A02 by changing the saturation by 10% instead.

■ 170A02

■ 170A02

■ F8EAE4

■ 000000

■ 413631

■ 584D48

■ 716560

■ 8A7E78

■ A49892

■ C0B2AC

■ DBCEC8

■ 170A02

■ 170A02

■ 170900

■ 170B04

■ 170D07

■ 170E09

■ 17100B

■ 17110E

■ 171310

■ 171412

■ 171514

■ 171717

Harmonies

Analogous

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



180908



170A02



130C00

Triad

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



170A02



00110B



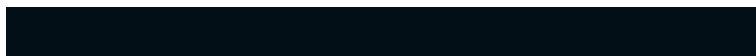
0D0C16

Complementary

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



170A02



020F17

Split Complementary

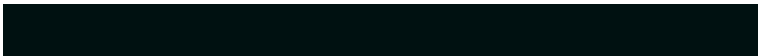
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



040E17



170A02



001111

Square

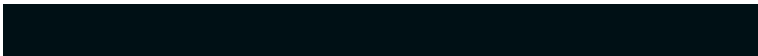
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



170A02



051004



001015



130A14

Rectangle

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



170A02



100D00



001015



0A0D17

Sweetspot

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



170A02



1F1916



17020F



0F0C0A



8F8F8F



0F0F0F

Same Dimension

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



170A02



1F0C00



171402



0D0C0B



4D1D00



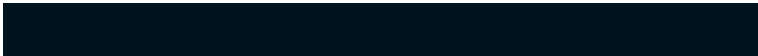
CC4E00

Inverse Universe

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



020F17



00131F



020517



0B0C0D



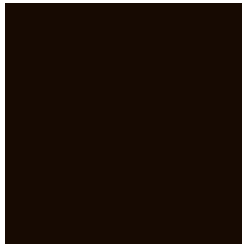
002F4D



007ECC

Previews

White Background



This preview shows how the Hex color 170A02 looks on a white background.

Color Contrast Check

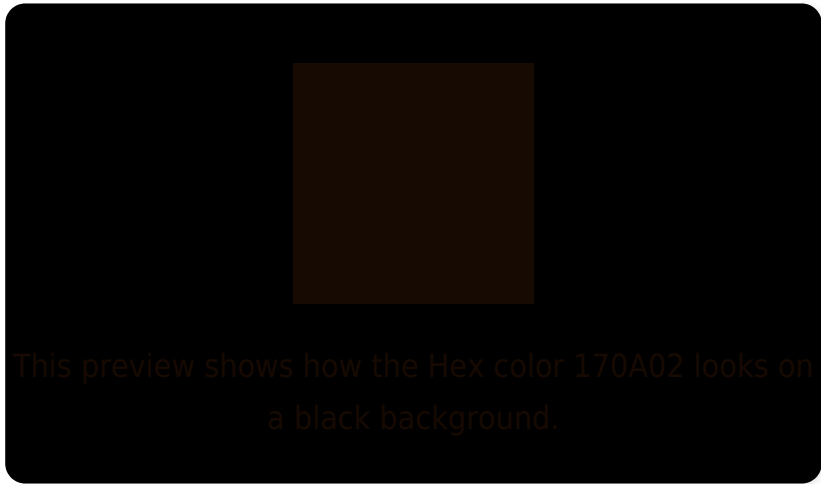
Large Text (above 18pt) WCAG AA ✓ Pass

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

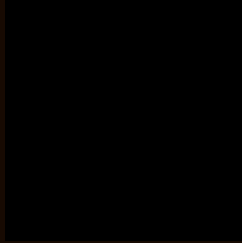
Any Text WCAG AA × Fail

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 170A02 Background



This preview shows how black text looks on a background with the Hex color 170A02.



This preview shows how white text looks on a background with the Hex color 170A02.

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

170A02

Protanopia

100E03

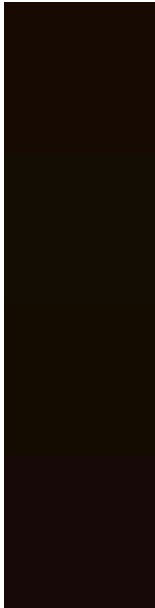
Deuteranopia

120D00



Tritanopia
17090A

Trichromacy



Original Color
170A02

Protanomaly
130D03

Deuteranomaly
140C01

Tritanomaly
170907

Monochromacy



Original Color
170A02

Achromatopsia
0D0D0D

Achromatomaly
110C09

CSS Examples

Text

The CSS property to change the color of the text to Hex 170A02 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 #170A02 looks like.

```
.text, #text, p{  
    color:#170A02  
}
```

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 #170A02 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #170A02
}
```

Border

The CSS property to change the border of an element to Hex 170A02 is called "border". The border property can be set on classes, ids or directly on the HTML element.

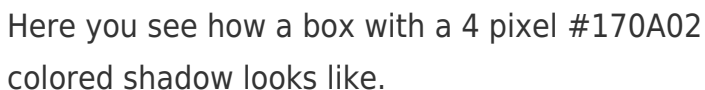
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#170A02 }
```

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

```
.border{ border-color:#170A02 }
```

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



Here you see how a box with a 4 pixel #170A02 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #170A02; -webkit-box-shadow:4px 4px  
4px 4px #170A02; box-shadow:4px 4px 4px  
4px #170A02 }
```

Background

The CSS property to change the background color of an element to Hex 170A02 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#170A02 }
```

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

```
.background{ background-color:#170A02 }
```

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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