

Converting Colors

Hex(170B22)

Have a look what the booklet for
Hex(170B22) contains.

Hex(170B22)	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(170B22)

Conversions

Conversions Part 1

Format	Color
Hex	170B22
RGB	23, 11, 34
RGB Percent	9%, 4%, 13%
CMY	0.9098, 0.9569, 0.8667
CMYK	0.32, 0.68, 0.00, 0.87
HSL	271°, 51%, 9%
HSV	271°, 68%, 13%
XYZ	0.7618, 0.5370, 1.5769
YIQ	17.2100, -0.2310, 9.6970

Conversions

Conversions Part 2

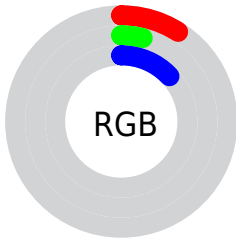
Format	Color
RYB	23, 11, 34
Decimal	1510178
CIELab	4.85, 10.30, -12.80
CIELCh	5, 16.428, 308.812
Yxy	0.5370, 0.2649, 0.1867
Android (android.graphics.Color)	4279700258 (0xFF170B22)
YUV	17.2100, 8.2775, 5.0778
Hunter-Lab	7.3280, 5.7313, -7.6287

Details

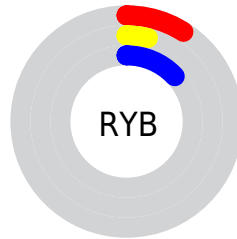
The Hex color **170B22** is a dark color, and the websafe version is hex **000000**. A complement of this color would be **16220B**, and the grayscale version is **111111**.

A 20% lighter version of the original color is **41364E**, and **000000** is the 20% darker color. If you saturate the color by 10%, you get **150822**, and if you desaturate by 10%, it is **190E22**.

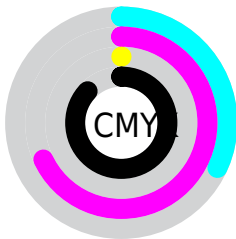
Distribution



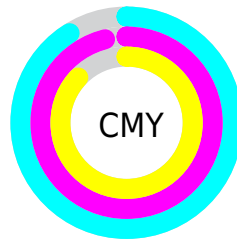
- Red (9%)
- Green (4%)
- Blue (13%)



- Red (9%)
- Yellow (4%)
- Blue (13%)



- Cyan (32%)
- Magenta (68%)
- Yellow (0%)
- Black (87%)



- Cyan (91%)
- Magenta (96%)
- Yellow (87%)

Brightness & Saturation Gradients

These gradients show how the Hex color 170B22 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 170B22 by changing the saturation by 10% instead.

■ 170B22

■ 170B22

■ F9EBFF

■ 00000A

■ 41364E

■ 000000

■ 594D66

■ 71657F

■ 8B7E99

■ A598B4

■ C1B3D0

■ DDCEEC

■ 170B22

■ 170B22

■ 150822

■ 190E22

■ 140422

■ 1A1222

■ 120122

■ 1C1522

■ 120022

■ 1E1922

■ 1F1C22

■ 211F22

■ 222322

■ 242622

■ 262A22

Harmonies

Analogous

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



021026



170B22



210619

Triad

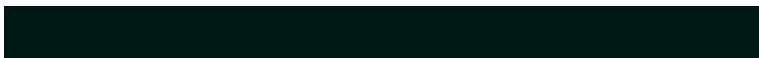
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



170B22



1E0C00



001814

Complementary

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



170B22



16220B

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.



001703



170B22



131100

Square

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



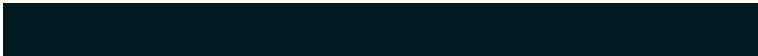
170B22



250700



001500



00171E

Rectangle

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



170B22



250512



001500



00180F

Sweetspot

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



170B22



27232B



0B1622



141117



969696



171717

Same Dimension

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



170B22



1B082B



220B22



111012



2B0052



6D00D1

Inverse Universe

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



220B16



2B0819



0B220B



121011



520027



D10064

Previews

White Background



This preview shows how the Hex color 170B22 looks on a white background.

Color Contrast Check

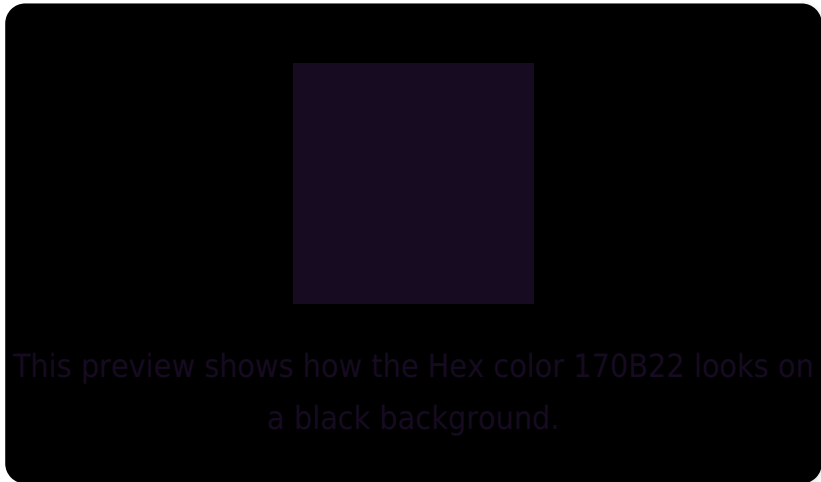
Large Text (above 18pt) WCAG AA ✓ Pass

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

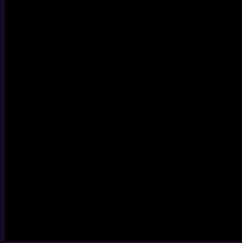
Any Text WCAG AA × Fail

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 170B22 Background



This preview shows how black text looks on a background with the Hex color 170B22.



This preview shows how white text looks on a background with the Hex color 170B22.

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
170B22

Protanopia
001123

Deuteranopia
00121F



Tritanopia
141012

Trichromacy



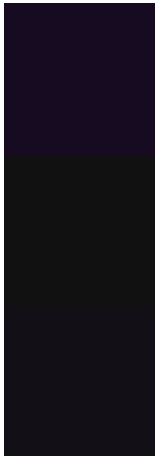
Original Color
170B22

Protanomaly
080F23

Deuteranomaly
080F20

Tritanomaly
150E18

Monochromacy



Original Color
170B22

Achromatopsia
111111

Achromatomaly
130F17

CSS Examples

Text

The CSS property to change the color of the text to Hex 170B22 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 #170B22 looks like.

```
.text, #text, p{  
    color:#170B22  
}
```

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 #170B22 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #170B22
}
```

Border

The CSS property to change the border of an element to Hex 170B22 is called "border". The border property can be set on classes, ids or directly on the HTML element.

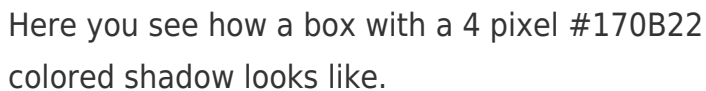
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#170B22 }
```

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

```
.border{ border-color:#170B22 }
```

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



Here you see how a box with a 4 pixel #170B22 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #170B22; -webkit-box-shadow:4px 4px  
4px 4px #170B22; box-shadow:4px 4px 4px  
4px #170B22 }
```

Background

The CSS property to change the background color of an element to Hex 170B22 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#170B22 }
```

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

```
.background{ background-color:#170B22 }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor