

Converting Colors

Hex(171B70)

Have a look what the booklet for
Hex(171B70) contains.

Hex(171B70)	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(171B70)

Conversions

Conversions Part 1

Format	Color
Hex	171B70
RGB	23, 27, 112
RGB Percent	9%, 11%, 44%
CMY	0.9098, 0.8941, 0.5608
CMYK	0.79, 0.76, 0.00, 0.56
HSL	237°, 66%, 26%
HSV	237°, 79%, 44%
XYZ	3.6699, 2.1359, 15.5481
YIQ	35.4940, -29.6690, 25.5870

Conversions

Conversions Part 2

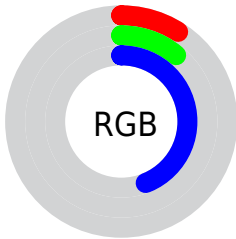
Format	Color
R_{YB}	23, 27, 112
Decimal	1514352
CIE Lab	16.18, 30.27, -49.05
CIE LCh	16, 57.634, 301.681
Yxy	2.1359, 0.1719, 0.1000
Android (android.graphics.Color)	4279704432 (0xFF171B70)
YUV	35.4940, 37.7175, -10.9572
Hunter-Lab	14.6146, 19.2479, -52.8466

Details

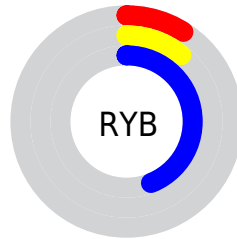
The Hex color **171B70** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **706C17**, and the grayscale version is **232323**.

A 20% lighter version of the original color is **5347A5**, and **00003F** is the 20% darker color. If you saturate the color by 10%, you get **0C1070**, and if you desaturate by 10%, it is **222670**.

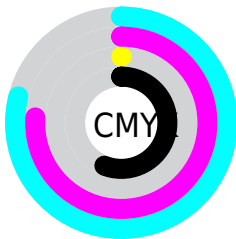
Distribution



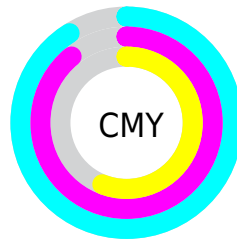
- Red (9%)
- Green (11%)
- Blue (44%)



- Red (9%)
- Yellow (11%)
- Blue (44%)



- Cyan (79%)
- Magenta (76%)
- Yellow (0%)
- Black (56%)



- Cyan (91%)
- Magenta (89%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Hex color 171B70 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 171B70 by changing the saturation by 10% instead.

■ 171B70

■ 171B70

FFFFFF

■ 000657

■ 5347A5

■ 00003F

■ 6F5FC0

■ 000328

■ 8A78DC

■ 000112

■ A692F9

■ 000000

■ C3ADFF

■ E0C8FF

■ FDE4FF

■ 171B70

■ 171B70

■ 0C1070

■ 222670

■ 010670

■ 2D3070

■ 000570

■ 393B70

■ 444670

■ 4F5070

■ 5A5B70

■ 656670

■ 717170

■ 7C7B70

Harmonies

Analogous

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



002E7D



171B70



570050

Triad

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



171B70



501300



00372A

Complementary

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



171B70



706C17

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.



003500



171B70



312800

Square

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



171B70



650000



003100



003753

Rectangle

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



171B70



670035



003100



00371B

Sweetspot

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



171B70



6E7091



17706C



35354A



C9C9C9



4A4A4A

Same Dimension

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



171B70



070D91



3F1770



323338



000578



000BF7

Inverse Universe

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



70171B



91070D



487017



383233



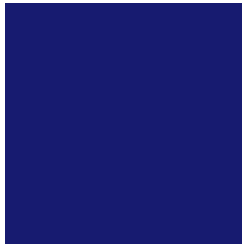
780005



F7000B

Previews

White Background



This preview shows how the Hex color 171B70 looks on a white background.

Color Contrast Check

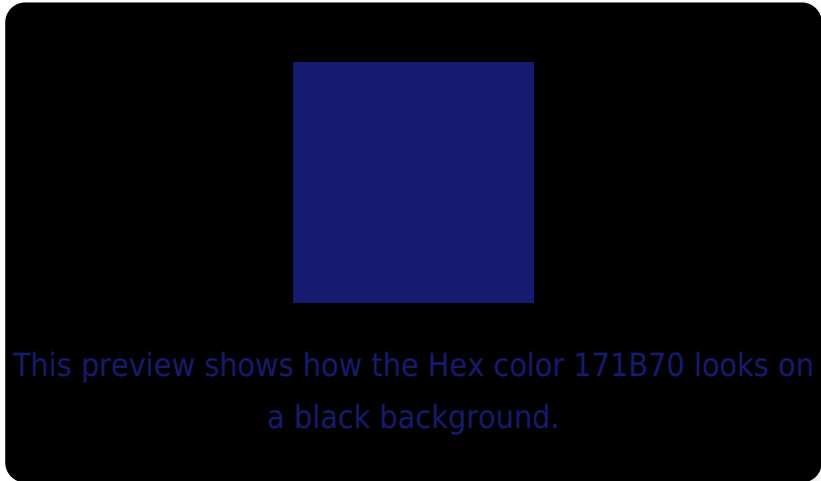
Large Text (above 18pt) WCAG AA ✓ Pass

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

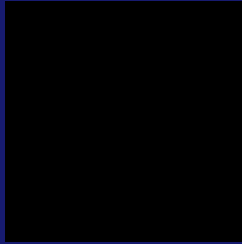
Any Text WCAG AA × Fail

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 171B70 Background



This preview shows how black text looks on a background with the Hex color 171B70.



This preview shows how white text looks on a background with the Hex color 171B70.

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
171B70

Protanopia
002853

Deuteranopia
002A47

Trichromacy



Original Color
171B70

Protanomaly
08235E

Deuteranomaly
082556

Tritanomaly
082747

Monochromacy



Original Color
171B70

Achromatopsia
232323

Achromatomaly
1F203F

CSS Examples

Text

The CSS property to change the color of the text to Hex 171B70 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 #171B70 looks like.

```
.text, #text, p{  
    color:#171B70  
}
```

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 #171B70 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #171B70
}
```

Border

The CSS property to change the border of an element to Hex 171B70 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
#171B70 }
```

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

```
.border{ border-color:#171B70 }
```

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

Here you see how a box with a 4 pixel #171B70 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #171B70; -webkit-box-shadow:4px 4px  
4px 4px #171B70; box-shadow:4px 4px 4px  
4px #171B70 }
```

Background

The CSS property to change the background color of an element to Hex 171B70 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#171B70 }
```

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

```
.background{ background-color:#171B70 }
```

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