

# Converting Colors

Hex(171B5D)

Have a look what the booklet for  
Hex(171B5D) contains.

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# Color

Hex(171B5D)

# Conversions

## Conversions Part 1

Format	Color
Hex	171B5D
RGB	23, 27, 93
RGB Percent	9%, 11%, 36%
CMY	0.9098, 0.8941, 0.6353
CMYK	0.75, 0.71, 0.00, 0.64
HSL	237°, 60%, 23%
HSV	237°, 75%, 36%
XYZ	2.7211, 1.7563, 10.5515
YIQ	33.3280, -23.5700, 19.6780

# Conversions

## Conversions Part 2

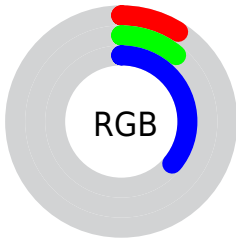
Format	Color
<b>RYB</b>	23, 27, 93
Decimal	1514333
CIELab	14.15, 22.99, -39.88
CIELCh	14, 46.029, 299.963
Yxy	1.7563, 0.1811, 0.1169
Android (android.graphics.Color)	4279704413 (0xFF171B5D)
YUV	33.3280, 29.4183, -9.0577
Hunter-Lab	13.2527, 13.4577, -37.9286

# Details

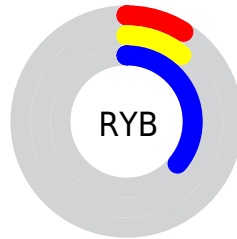
The Hex color **171B5D** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **5D5917**, and the grayscale version is **212121**.

A 20% lighter version of the original color is **4E4790**, and **00042E** is the 20% darker color. If you saturate the color by 10%, you get **0E125D**, and if you desaturate by 10%, it is **20245D**.

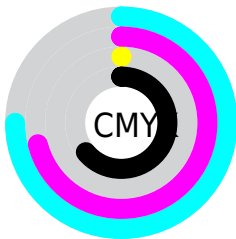
# Distribution



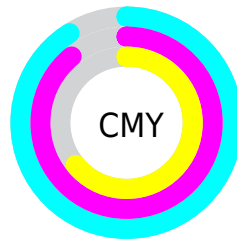
- Red (9%)
- Green (11%)
- Blue (36%)



- Red (9%)
- Yellow (11%)
- Blue (36%)



- Cyan (75%)
- Magenta (71%)
- Yellow (0%)
- Black (64%)



- Cyan (91%)
- Magenta (89%)
- Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 171B5D 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 171B5D by changing the saturation by 10% instead.



■ 171B5D

■ 171B5D

FFFFFF

■ 000445

■ 4E4790

■ 00042E

■ 685EAB

■ 000118

■ 8377C7

■ 000000

■ 9E91E3

■ BAABFF

■ D6C7FF

■ F3E3FF

■ 171B5D

■ 171B5D

■ 0E125D

■ 20245D

■ 04095D

■ 2A2D5D

■ 00055D

■ 33355D

■ 3C3E5D

■ 46475D

■ 4F505D

■ 58585D

■ 61615D

■ 6B6A5D

# Harmonies

## Analogous

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



002966



171B5D



480045

# Triad

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



171B5D



461300



003123

# Complementary

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



171B5D



5D5917

# 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.



002F00



171B5D



2E2300

# Square

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



171B5D



560000



0A2B00



003144

# Rectangle

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



171B5D



550030



0A2B00



003018



# Sweetspot

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



171B5D



5C5E78



175D58



2C2D3D



BDBDBD



3D3D3D



# Same Dimension

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



171B5D



0C1278



35175D



292A2E



00066E



000EED



# Inverse Universe

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



5D171B



780C12



3F5D17



2E292A



6E0006

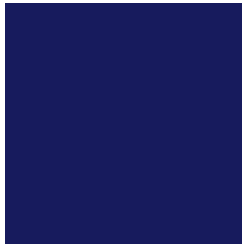


ED000E



# Previews

## White Background



This preview shows how the Hex color 171B5D looks on a white background.

## Color Contrast Check

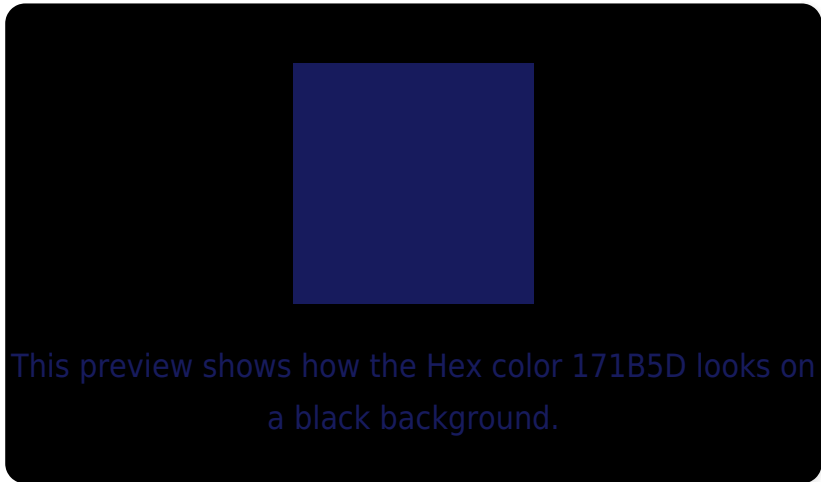
Large Text (above 18pt) WCAG AA ✓ Pass

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

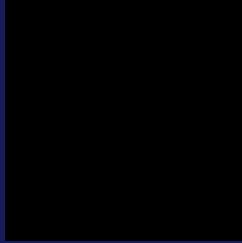
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 171B5D Background



This preview shows how black text looks on a background with the Hex color 171B5D.



This preview shows how white text looks on a background with the Hex color 171B5D.

# 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**  
171B5D

**Protanopia**  
00234B

**Deuteranopia**  
002640



**Tritanopia**  
00292B

# Trichromacy



**Original Color**  
171B5D

**Protanomaly**  
082052

**Deuteranomaly**  
08224B

**Tritanomaly**  
08243D

# Monochromacy



**Original Color**  
171B5D

**Achromatopsia**  
212121

**Achromatomaly**  
1D1F37

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 171B5D 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 #171B5D looks like.

```
.text, #text, p{  
    color:#171B5D  
}
```

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 #171B5D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #171B5D
}
```

## Border

The CSS property to change the border of an element to Hex 171B5D is called "border". The border property can be set on classes, ids or directly on the HTML element.

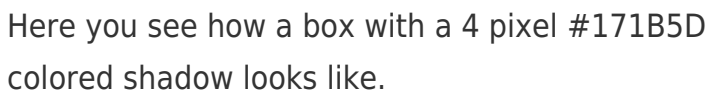
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#171B5D }
```

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

```
.border{ border-color:#171B5D }
```

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



Here you see how a box with a 4 pixel #171B5D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #171B5D; -webkit-box-shadow:4px 4px  
4px 4px #171B5D; box-shadow:4px 4px 4px  
4px #171B5D }
```

# Background

The CSS property to change the background color of an element to Hex 171B5D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#171B5D }
```

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

```
.background{ background-color:#171B5D }
```

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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