

# Converting Colors

Hex(170E3E)

Have a look what the booklet for  
Hex(170E3E) contains.

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# Color

**Hex(170E3E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	170E3E
RGB	23, 14, 62
RGB Percent	9%, 5%, 24%
CMY	0.9098, 0.9451, 0.7569
CMYK	0.63, 0.77, 0.00, 0.76
HSL	251°, 63%, 15%
HSV	251°, 77%, 24%
XYZ	1.3799, 0.8440, 4.6476
YIQ	22.1630, -10.0440, 16.8360

# Conversions

## Conversions Part 2

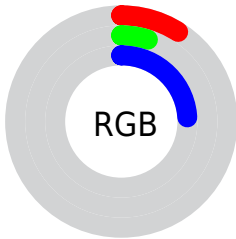
<b>Format</b>	<b>Color</b>
<b>RYB</b>	23, 14, 62
Decimal	1510974
CIELab	7.62, 20.15, -29.16
CIELCh	8, 35.447, 304.637
Yxy	0.8440, 0.2008, 0.1228
Android (android.graphics.Color)	4279701054 (0xFF170E3E)
YUV	22.1630, 19.6396, 0.7340
Hunter-Lab	9.1871, 10.7328, -23.5628

# Details

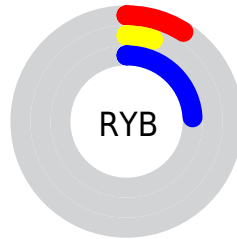
The Hex color **170E3E** is a dark color, and the websafe version is hex **000033**. A complement of this color would be **353E0E**, and the grayscale version is **161616**.

A 20% lighter version of the original color is **47386E**, and **000111** is the 20% darker color. If you saturate the color by 10%, you get **12083E**, and if you desaturate by 10%, it is **1C143E**.

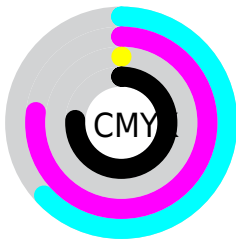
# Distribution



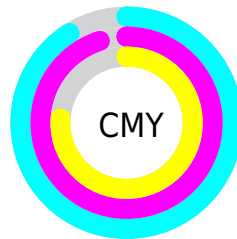
- Red (9%)
- Green (5%)
- Blue (24%)



- Red (9%)
- Yellow (5%)
- Blue (24%)



- Cyan (63%)
- Magenta (77%)
- Yellow (0%)
- Black (76%)



- Cyan (91%)
- Magenta (95%)
- Yellow (76%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 170E3E 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 170E3E by changing the saturation by 10% instead.



■ 170E3E

■ 170E3E

■ FFEDFF

■ 000028

■ 47386E

■ 000111

■ 604F88

■ 000000

■ 7A67A2

■ 9481BD

■ AF9BD9

■ CBB6F6

■ E7D1FF

■ 170E3E

■ 170E3E

■ 12083E

■ 1C143E

■ 0D023E

■ 211A3E

■ 0C003E

■ 26213E

■ 2B273E

■ 302D3E

■ 35333E

■ 3A393E

■ 3F403E

■ 44463E

# Harmonies

## Analogous

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



001946



170E3E



34002B

# Triad

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



170E3E



2D0D00



00221A

# Complementary

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



170E3E



353E0E

# 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.



002200



170E3E



1B1700

# Square

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



170E3E



3A0000



001E00



002231

# Rectangle

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



170E3E



3C001C



001E00



002211



# Sweetspot

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



170E3E



423F52



0E353E



201D29



A8A8A8



292929



# Same Dimension

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



170E3E



140652



2F0E3E



1C1C1F



12005E



2A00DE



# Inverse Universe

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



3E0E35



520643



1D3E0E



1F1C1E



5E004D

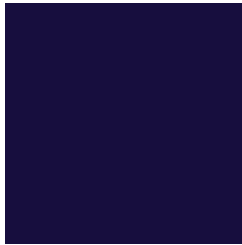


DE00B4



# Previews

## White Background



This preview shows how the Hex color 170E3E looks on a white background.

## Color Contrast Check

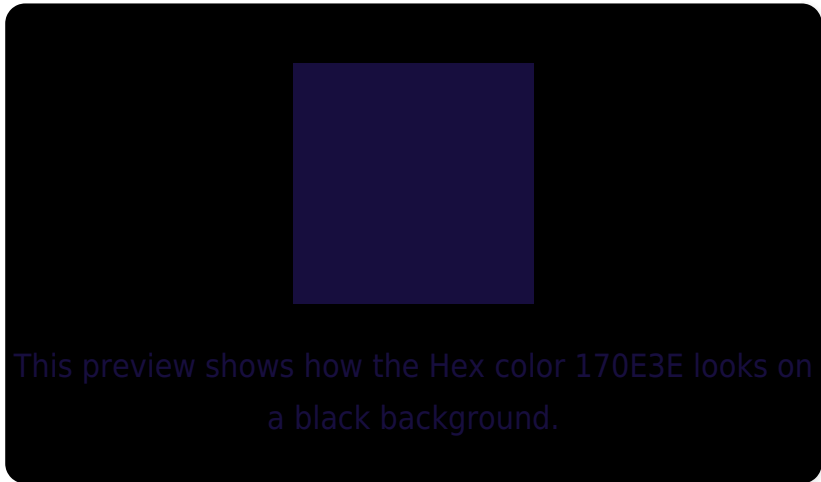
Large Text (above 18pt) WCAG AA ✓ Pass

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

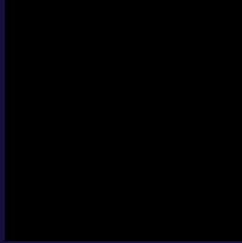
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 170E3E Background



This preview shows how black text looks on a background with the Hex color 170E3E.



This preview shows how white text looks on a background with the Hex color 170E3E.

# 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**  
170E3E

**Protanopia**  
001731

**Deuteranopia**  
00192A



**Tritanopia**  
001B1D

# Trichromacy



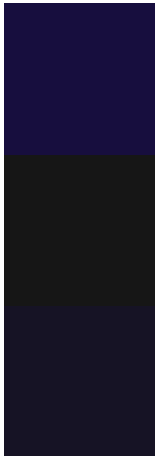
**Original Color**  
170E3E

**Protanomaly**  
081436

**Deuteranomaly**  
081531

**Tritanomaly**  
081629

# Monochromacy



**Original Color**  
170E3E

**Achromatopsia**  
161616

**Achromatomaly**  
161325

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 170E3E 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 #170E3E looks like.

```
.text, #text, p{  
    color:#170E3E  
}
```

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 #170E3E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #170E3E
}
```

## Border

The CSS property to change the border of an element to Hex 170E3E is called "border". The border property can be set on classes, ids or directly on the HTML element.

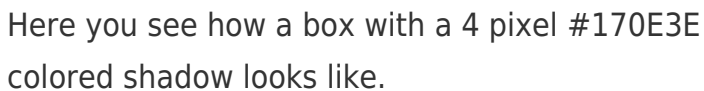
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#170E3E }
```

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

```
.border{ border-color:#170E3E }
```

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



Here you see how a box with a 4 pixel #170E3E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #170E3E; -webkit-box-shadow:4px 4px  
4px 4px #170E3E; box-shadow:4px 4px 4px  
4px #170E3E }
```

# Background

The CSS property to change the background color of an element to Hex 170E3E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#170E3E }
```

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

```
.background{ background-color:#170E3E }
```

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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