

# Converting Colors

Hex(17005A)

Have a look what the booklet for  
Hex(17005A) contains.

<b>Hex(17005A)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(17005A)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	17005A
RGB	23, 0, 90
RGB Percent	9%, 0%, 35%
CMY	0.9098, 1.0000, 0.6471
CMYK	0.74, 1.00, 0.00, 0.65
HSL	255°, 100%, 18%
HSV	255°, 100%, 35%
XYZ	2.1988, 0.9203, 9.7346
YIQ	17.1370, -15.1820, 32.8660

# Conversions

## Conversions Part 2

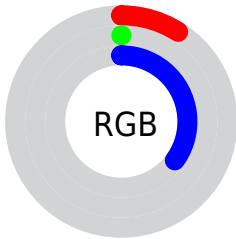
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	23, 0, 90
Decimal	1507418
CIE <sub>Lab</sub>	8.31, 37.69, -47.52
CIE <sub>LCh</sub>	8, 60.648, 308.419
Yxy	0.9203, 0.1711, 0.0716
Android (android.graphics.Color)	4279697498 (0xFF17005A)
YUV	17.1370, 35.9215, 5.1419
Hunter-Lab	9.5935, 24.1235, -53.4470

# Details

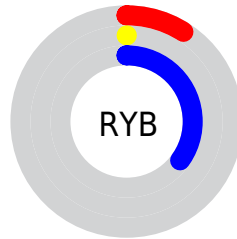
The Hex color **17005A** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **435A00**, and the grayscale version is **111111**.

A 20% lighter version of the original color is **502E8D**, and **00032B** is the 20% darker color. If you saturate the color by 10%, you get **17005A**, and if you desaturate by 10%, it is **1E095A**.

# Distribution



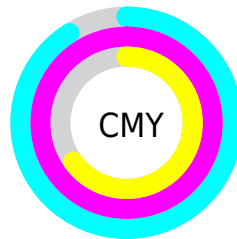
- Red (9%)
- Green (0%)
- Blue (35%)



- Red (9%)
- Yellow (0%)
- Blue (35%)



- Cyan (74%)
- Magenta (100%)
- Yellow (0%)
- Black (65%)



- Cyan (91%)
- Magenta (100%)
- Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 17005A 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 17005A by changing the saturation by 10% instead.



 17005A

 17005A

 FFE4FF

 000042

 502E8D

 00032B

 6B46A8

 000115

 865EC4

 000000

 A177E0

 BE92FD

 DAACFF

 F8C8FF

 17005A

■ 1E095A

■ 24125A

■ 2B1B5A

■ 32245A

■ 392D5A

■ 3F365A

■ 463F5A

■ 4D485A

■ 53515A

# Harmonies

## Analogous

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



001D6C



17005A



4B0037

# Triad

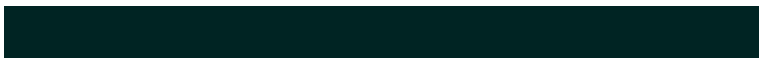
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



17005A



360700



002423

# Complementary

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



17005A



435A00

# 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.



002400



17005A



141B00

# Square

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



17005A



4C0000



002400



00274B

# Rectangle

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



17005A



55001D



002400



002415



# Sweetspot

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



17005A



5B5275



00445A



2B263B



BABABA



3B3B3B



# Same Dimension

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



17005A



1E0075



44005A



2A292E



1C006E



3D00ED



# Inverse Universe

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



5A0043



750057



175A00



2E292D



6E0052

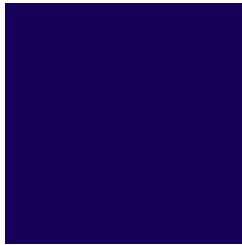


ED00B1



# Previews

## White Background



This preview shows how the Hex color 17005A looks on a white background.

## Color Contrast Check

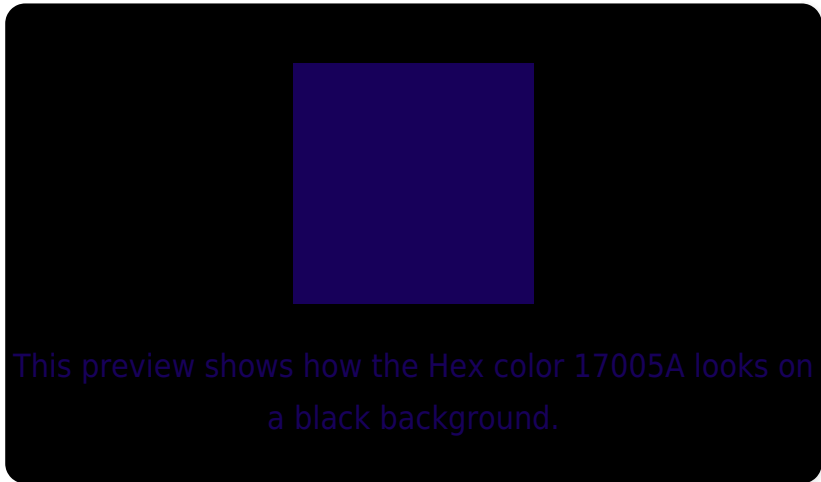
Large Text (above 18pt) WCAG AA ✓ Pass

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

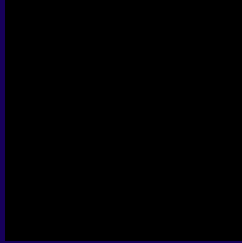
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 17005A Background



This preview shows how black text looks on a background with the Hex color 17005A.



This preview shows how white text looks on a background with the Hex color 17005A.

# 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**

17005A

**Protanopia**

001C3B

**Deuteranopia**

001E32



# Trichromacy



**Original Color**  
17005A

**Protanomaly**  
081246

**Deuteranomaly**  
081341

**Tritanomaly**  
081436

# Monochromacy



**Original Color**  
17005A

**Achromatopsia**  
111111

**Achromatomaly**  
130B2C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 17005A 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 #17005A looks like.

```
.text, #text, p{  
    color:#17005A  
}
```

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 #17005A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #17005A
}
```

## Border

The CSS property to change the border of an element to Hex 17005A 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
#17005A }
```

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

```
.border{ border-color:#17005A }
```

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

Here you see how a box with a 4 pixel #17005A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #17005A; -webkit-box-shadow:4px 4px  
4px 4px #17005A; box-shadow:4px 4px 4px  
4px #17005A }
```

# Background

The CSS property to change the background color of an element to Hex 17005A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#17005A }
```

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

```
.background{ background-color:#17005A }
```

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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