

# Converting Colors

Hex(13005E)

Have a look what the booklet for  
Hex(13005E) contains.

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# Color

**Hex(13005E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	13005E
RGB	19, 0, 94
RGB Percent	7%, 0%, 37%
CMY	0.9255, 1.0000, 0.6314
CMYK	0.80, 1.00, 0.00, 0.63
HSL	252°, 100%, 18%
HSV	252°, 100%, 37%
XYZ	2.2889, 0.9466, 10.6517
YIQ	16.3970, -18.8500, 33.2620

# Conversions

## Conversions Part 2

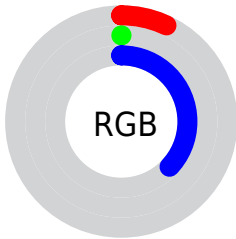
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	19, 0, 94
Decimal	1245278
CIE <sub>Lab</sub>	8.54, 38.62, -49.85
CIE <sub>LCh</sub>	9, 63.057, 307.768
Yxy	0.9466, 0.1648, 0.0682
Android (android.graphics.Color)	4279435358 (0xFF13005E)
YUV	16.3970, 38.2583, 2.2828
Hunter-Lab	9.7293, 24.9679, -58.1006

# Details

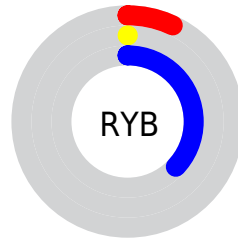
The Hex color **13005E** is a dark color, and the websafe version is hex **000066**. A complement of this color would be **4B5E00**, and the grayscale version is **101010**.

A 20% lighter version of the original color is **4F2E92**, and **00042E** is the 20% darker color. If you saturate the color by 10%, you get **13005E**, and if you desaturate by 10%, it is **1B095E**.

# Distribution



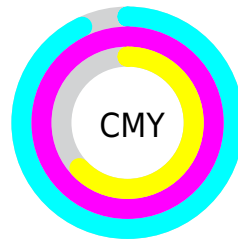
- Red (7%)
- Green (0%)
- Blue (37%)



- Red (7%)
- Yellow (0%)
- Blue (37%)



- Cyan (80%)
- Magenta (100%)
- Yellow (0%)
- Black (63%)



- Cyan (93%)
- Magenta (100%)
- Yellow (63%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 13005E 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 13005E by changing the saturation by 10% instead.



 13005E

 13005E

 FFE5FF

 000046

 4F2E92

 00042E

 6A46AD

 000119

 855EC8

 000000

 A178E5

 BD92FF

 DAADFF

 F7C8FF

 13005E

■ 1B095E

■ 22135E

■ 2A1C5E

■ 31265E

■ 392F5E

■ 40385E

■ 48425E

■ 4F4B5E

■ 57555E

# Harmonies

## Analogous

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



001E71



13005E



4D003A

# Triad

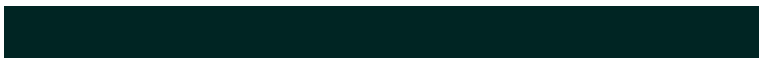
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



13005E



380600



002523

# Complementary

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



13005E



4B5E00

# 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



13005E



161B00

# Square

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



13005E



4F0000



002400



00274D

# Rectangle

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



13005E



58001E



002400



002514



# Sweetspot

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



13005E



5D567A



004B5E



2C273D



BDBDBD



3D3D3D



# Same Dimension

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



13005E



19007A



42005E



2A292E



16006E



3000ED



# Inverse Universe

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



5E004B



7A0062



1C5E00



2E292D



6E0057

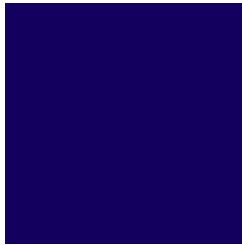


ED00BD



# Previews

## White Background



This preview shows how the Hex color 13005E looks on a white background.

## Color Contrast Check

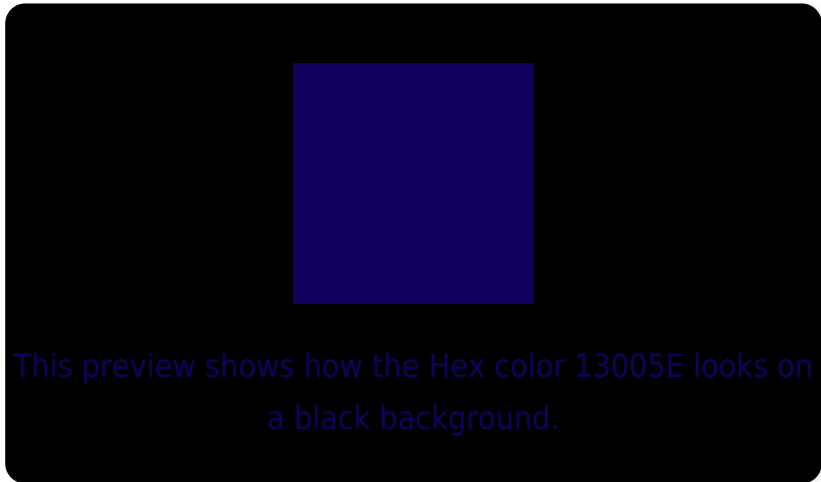
Large Text (above 18pt) WCAG AA ✓ Pass

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

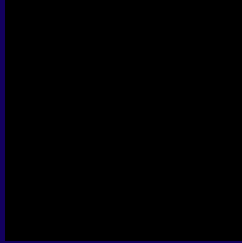
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 13005E Background



This preview shows how black text looks on a background with the Hex color 13005E.



This preview shows how white text looks on a background with the Hex color 13005E.

# 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**  
13005E

**Protanopia**  
001D3C

**Deuteranopia**  
001F33

# Trichromacy



**Original Color**  
13005E

**Protanomaly**  
071248

**Deuteranomaly**  
071443

# Monochromacy



**Original Color**  
13005E

**Achromatopsia**  
101010

**Achromatomaly**  
110A2C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 13005E 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 #13005E looks like.

```
.text, #text, p{  
    color:#13005E  
}
```

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 #13005E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #13005E
}
```

## Border

The CSS property to change the border of an element to Hex 13005E is called "border". The border property can be set on classes, ids or directly on the HTML element.

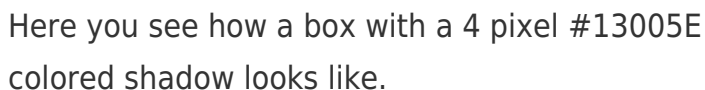
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#13005E }
```

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

```
.border{ border-color:#13005E }
```

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



Here you see how a box with a 4 pixel #13005E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #13005E; -webkit-box-shadow:4px 4px  
4px 4px #13005E; box-shadow:4px 4px 4px  
4px #13005E }
```

# Background

The CSS property to change the background color of an element to Hex 13005E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#13005E }
```

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

```
.background{ background-color:#13005E }
```

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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