

# Converting Colors

Hex(31005D)

Have a look what the booklet for  
Hex(31005D) contains.

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# Color

**Hex(31005D)**

# Conversions

## Conversions Part 1

Format	Color
Hex	31005D
RGB	49, 0, 93
RGB Percent	19%, 0%, 36%
CMY	0.8078, 1.0000, 0.6353
CMYK	0.47, 1.00, 0.00, 0.64
HSL	272°, 100%, 18%
HSV	272°, 100%, 36%
XYZ	3.2424, 1.4433, 10.4636
YIQ	25.2530, -0.6490, 39.3110

# Conversions

## Conversions Part 2

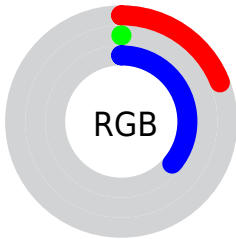
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	49, 0, 93
Decimal	3211357
CIE <sub>Lab</sub>	12.24, 40.42, -42.91
CIE <sub>LCh</sub>	12, 58.956, 313.289
Yxy	1.4433, 0.2140, 0.0953
Android (android.graphics.Color)	4281401437 (0xFF31005D)
YUV	25.2530, 33.3993, 20.8261
Hunter-Lab	12.0137, 27.1520, -43.2306

# Details

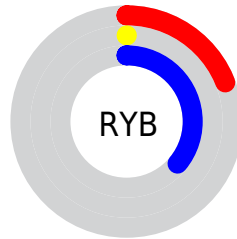
The Hex color **31005D** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **2C5D00**, and the grayscale version is **191919**.

A 20% lighter version of the original color is **653390**, and **00002E** is the 20% darker color. If you saturate the color by 10%, you get **31005D**, and if you desaturate by 10%, it is **35095D**.

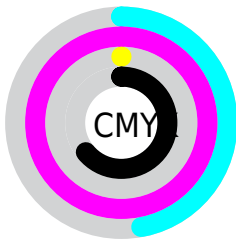
# Distribution



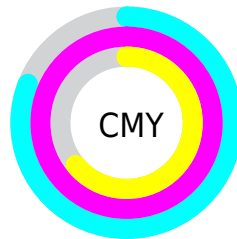
- Red (19%)
- Green (0%)
- Blue (36%)



- Red (19%)
- Yellow (0%)
- Blue (36%)



- Cyan (47%)
- Magenta (100%)
- Yellow (0%)
- Black (64%)



- Cyan (81%)
- Magenta (100%)
- Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 31005D 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 31005D by changing the saturation by 10% instead.



 31005D

 31005D

 FFEDFF

 190045

 653390

 00002E

 804CAB

 000118

 9B65C7


 000000

 B77FE3

 D499FF

 F1B4FF

 FFD0FF

 31005D

■ 35095D

■ 3A135D

■ 3E1C5D

■ 43255D

■ 472F5D

■ 4B385D

■ 50415D

■ 544A5D

■ 59545D

# Harmonies

## Analogous

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



002172



31005D



580038

# Triad

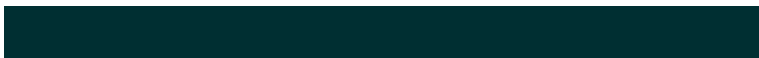
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



31005D



3B1500



002F32

# Complementary

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



31005D



2C5D00

# 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.



002E00



31005D



182400

# Square

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



31005D



540000



002B00



002F59

# Rectangle

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



31005D



60001E



002B00



002F24



# Sweetspot

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



31005D



675478



002D5D



33273D



BDBDBD



3D3D3D



# Same Dimension

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



31005D



3F0078



5D005B



2C292E



3A006E



7D00ED



# Inverse Universe

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



5D002C



780039



005D02



2E292B



6E0034

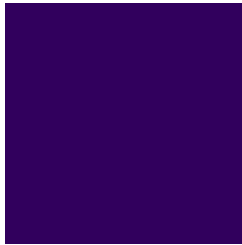


ED0070



# Previews

## White Background



This preview shows how the Hex color 31005D looks on a white background.

## Color Contrast Check

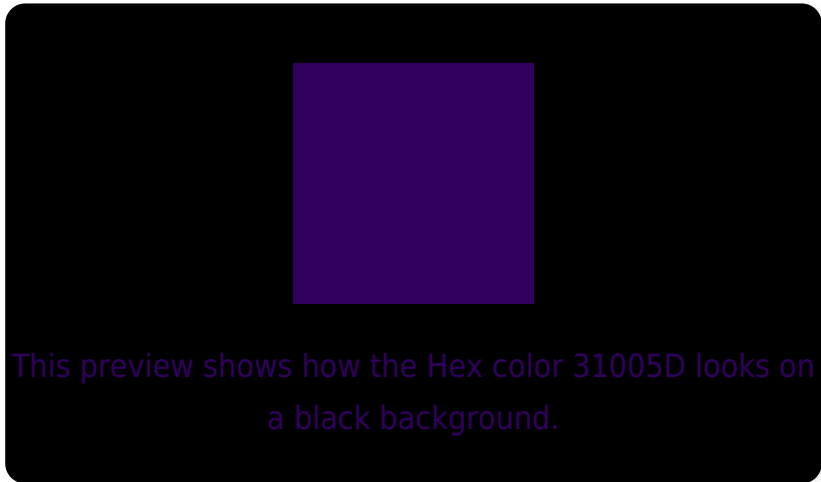
Large Text (above 18pt) WCAG AA ✓ Pass

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

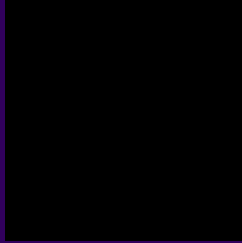
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 31005D Background



This preview shows how black text looks on a background with the Hex color 31005D.



This preview shows how white text looks on a background with the Hex color 31005D.

# 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**  
31005D

**Protanopia**  
00234A

**Deuteranopia**  
00253F



**Tritanopia**  
232427

# Trichromacy



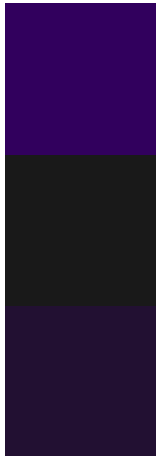
**Original Color**  
31005D

**Protanomaly**  
121651

**Deuteranomaly**  
12184A

**Tritanomaly**  
28173B

# Monochromacy



**Original Color**  
31005D

**Achromatopsia**  
191919

**Achromatomaly**  
221032

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 31005D 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 #31005D looks like.

```
.text, #text, p{  
    color:#31005D  
}
```

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 #31005D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #31005D
}
```

## Border

The CSS property to change the border of an element to Hex 31005D is called "border". The border property can be set on classes, ids or directly on the HTML element.

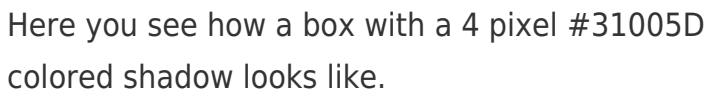
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#31005D }
```

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

```
.border{ border-color:#31005D }
```

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



Here you see how a box with a 4 pixel #31005D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #31005D; -webkit-box-shadow:4px 4px  
4px 4px #31005D; box-shadow:4px 4px 4px  
4px #31005D }
```

# Background

The CSS property to change the background color of an element to Hex 31005D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#31005D }
```

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

```
.background{ background-color:#31005D }
```

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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