

Converting Colors

Hex(33005D)

Have a look what the booklet for
Hex(33005D) contains.

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Color

Hex(33005D)

Conversions

Conversions Part 1

Format	Color
Hex	33005D
RGB	51, 0, 93
RGB Percent	20%, 0%, 36%
CMY	0.8000, 1.0000, 0.6353
CMYK	0.45, 1.00, 0.00, 0.64
HSL	273°, 100%, 18%
HSV	273°, 100%, 36%
XYZ	3.3410, 1.4941, 10.4682
YIQ	25.8510, 0.5430, 39.7350

Conversions

Conversions Part 2

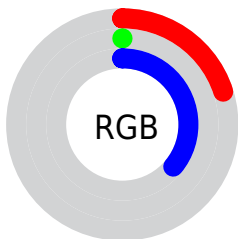
Format	Color
R_{YB}	51, 0, 93
Decimal	3342429
CIE _{Lab}	12.57, 40.64, -42.36
CIE _{LCh}	13, 58.704, 313.811
Yxy	1.4941, 0.2183, 0.0976
Android (android.graphics.Color)	4281532509 (0xFF33005D)
YUV	25.8510, 33.1045, 22.0557
Hunter-Lab	12.2234, 27.3984, -42.2200

Details

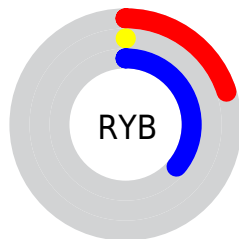
The Hex color **33005D** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **2A5D00**, and the grayscale version is **1A1A1A**.

A 20% lighter version of the original color is **673490**, and **00002E** is the 20% darker color. If you saturate the color by 10%, you get **33005D**, and if you desaturate by 10%, it is **37095D**.

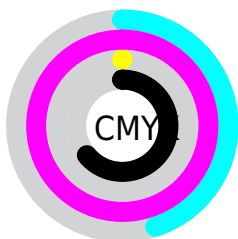
Distribution



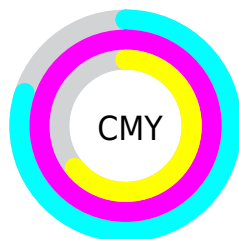
- Red (20%)
- Green (0%)
- Blue (36%)



- Red (20%)
- Yellow (0%)
- Blue (36%)



- Cyan (45%)
- Magenta (100%)
- Yellow (0%)
- Black (64%)



- Cyan (80%)
- Magenta (100%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the Hex color 33005D 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 33005D by changing the saturation by 10% instead.

 33005D

 33005D

 FFEEFF

 1B0045

 673490

 00002E

 824CAB

 000118

 9D65C7

 000000

 B97FE3

 D69AFF

 F3B5FF

 FFD1FF

 33005D

■ 37095D

■ 3B135D

■ 401C5D

■ 44255D

■ 482F5D

■ 4C385D

■ 50415D

■ 554A5D

■ 59545D

Harmonies

Analogous

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



002273



33005D



590038

Triad

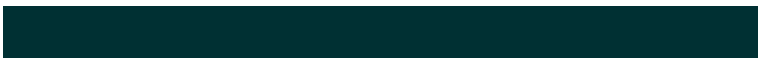
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



33005D



3B1600



003033

Complementary

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



33005D



2A5D00

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.



002F03



33005D



182500

Square

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



33005D



540000



002C00



00305A

Rectangle

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



33005D



61001E



002C00



002F25

Sweetspot

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



33005D



685478



002B5D



33273D



BDBDBD



3D3D3D

Same Dimension

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



33005D



420078



5D005A



2C292E



3C006E



8200ED

Inverse Universe

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



5D002A



780036



005D03



2E292B



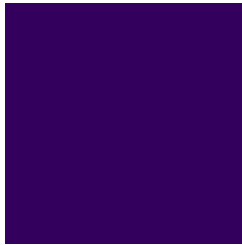
6E0032



ED006B

Previews

White Background



This preview shows how the Hex color 33005D looks on a white background.

Color Contrast Check

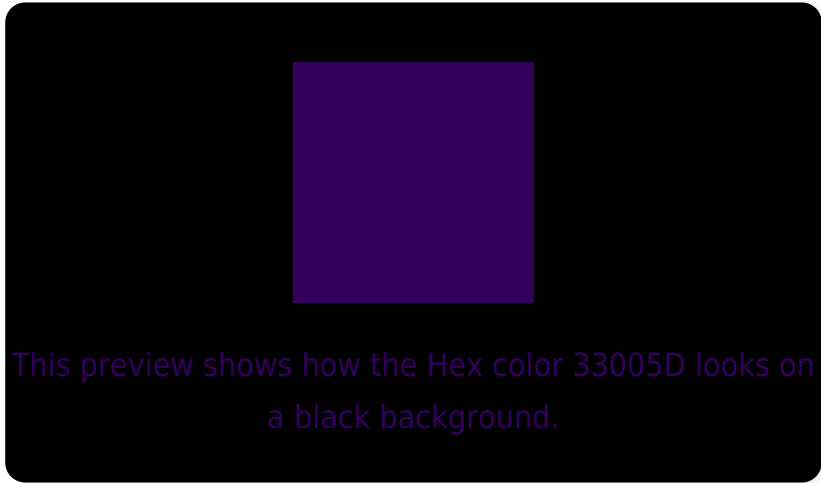
Large Text (above 18pt) WCAG AA ✓ Pass

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

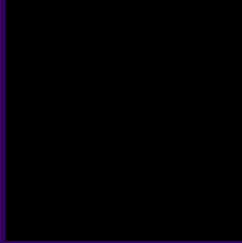
Any Text WCAG AA × Fail

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 33005D Background



This preview shows how black text looks on a background with the Hex color 33005D.



This preview shows how white text looks on a background with the Hex color 33005D.

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
33005D

Protanopia
00244B

Deuteranopia
002640



Tritanopia
262427

Trichromacy



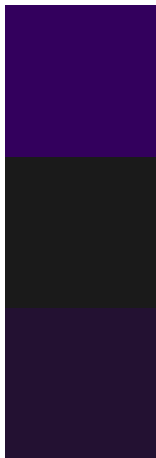
Original Color
33005D

Protanomaly
131752

Deuteranomaly
13184B

Tritanomaly
2B173B

Monochromacy



Original Color
33005D

Achromatopsia
1A1A1A

Achromatomaly
231132

CSS Examples

Text

The CSS property to change the color of the text to Hex 33005D 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 #33005D looks like.

```
.text, #text, p{  
    color:#33005D  
}
```

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 #33005D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33005D
}
```

Border

The CSS property to change the border of an element to Hex 33005D is called "border". The border property can be set on classes, ids or directly on the HTML element.

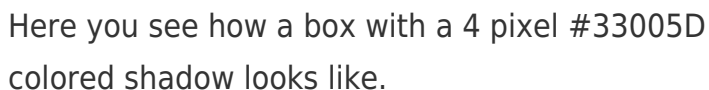
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#33005D }
```

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

```
.border{ border-color:#33005D }
```

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



Here you see how a box with a 4 pixel #33005D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33005D; -webkit-box-shadow:4px 4px  
4px 4px #33005D; box-shadow:4px 4px 4px  
4px #33005D }
```

Background

The CSS property to change the background color of an element to Hex 33005D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33005D }
```

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

```
.background{ background-color:#33005D }
```

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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