

# Converting Colors

Hex(33325D)

Have a look what the booklet for  
Hex(33325D) contains.

<b>Hex(33325D)</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(33325D)

# Conversions

## Conversions Part 1

Format	Color
Hex	33325D
RGB	51, 50, 93
RGB Percent	20%, 20%, 36%
CMY	0.8000, 0.8039, 0.6353
CMYK	0.45, 0.46, 0.00, 0.64
HSL	241°, 30%, 28%
HSV	241°, 46%, 36%
XYZ	4.4816, 3.7753, 10.8484
YIQ	55.2010, -13.2070, 13.5850

# Conversions

## Conversions Part 2

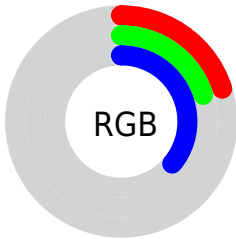
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	51, 50, 93
Decimal	3355229
CIE <sub>Lab</sub>	22.91, 12.90, -25.62
CIE <sub>LCh</sub>	23, 28.689, 296.724
Yxy	3.7753, 0.2346, 0.1976
Android (android.graphics.Color)	4281545309 (0xFF33325D)
YUV	55.2010, 18.6349, -3.6843
Hunter-Lab	19.4302, 7.1687, -19.5021

# Details

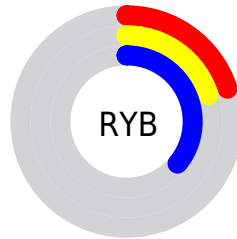
The Hex color **33325D** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **5C5D32**, and the grayscale version is **373737**.

A 20% lighter version of the original color is **646090**, and **06042F** is the 20% darker color. If you saturate the color by 10%, you get **2A295D**, and if you desaturate by 10%, it is **3C3B5D**.

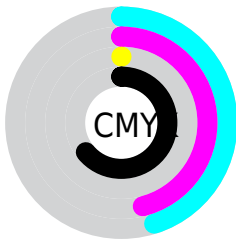
# Distribution



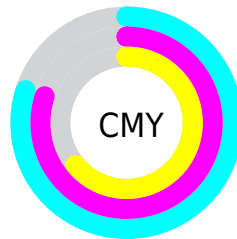
- Red (20%)
- Green (20%)
- Blue (36%)



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



- Cyan (45%)
- Magenta (46%)
- Yellow (0%)
- Black (64%)



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

# Brightness & Saturation Gradients

These gradients show how the Hex color 33325D 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 33325D by changing the saturation by 10% instead.



■ 33325D

■ 33325D

FFFFFF

■ 1B1D45

■ 646090

■ 06042F

■ 7E79AA

■ 000119

■ 9893C6

■ 000000

■ B3ADE2

■ CFC9FE

■ EBE5FF

■ 33325D

■ 33325D

■ 2A295D

■ 3C3B5D

■ 211F5D

■ 45455D

■ 18165D

■ 4E4E5D

■ 0F0D5D

■ 57575D

■ 06035D

■ 60615D

■ 02005D

■ 6A6A5D

■ 73735D

■ 7C7C5D

■ 85865D

# Harmonies

## Analogous

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



003A61



33325D



4E294E

# Triad

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



33325D



542D13



004134

# Complementary

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



33325D



5C5D32

# 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.



123F1E



33325D



443508

# Square

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



33325D



5D2525



2F3B0D



004149

# Rectangle

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



33325D



592441



2F3B0D



00402C



# Sweetspot

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



33325D



676778



325C5D



33333D



BDBDBD



3D3D3D



# Same Dimension

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



33325D



373678



48325D



29292E



03006E



0600ED



# Inverse Universe

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



5D325C



783676



475D32



2E292E



6E006B



ED00E8



# Previews

## White Background



This preview shows how the Hex color 33325D looks on a white background.

## Color Contrast Check

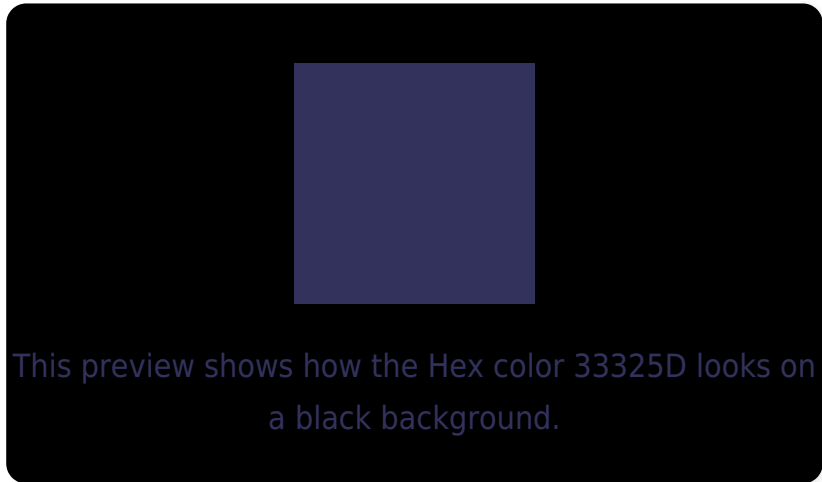
Large Text (above 18pt) WCAG AA ✓ Pass

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

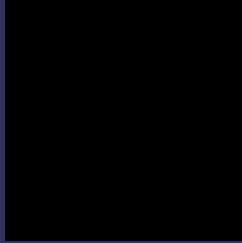
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 33325D Background



This preview shows how black text looks on a background with the Hex color 33325D.



This preview shows how white text looks on a background with the Hex color 33325D.

# 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](#).

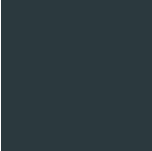
## Dichromacy



**Original Color**  
33325D

**Protanopia**  
233560

**Deuteranopia**  
1D375C



**Tritanopia**  
2B393E

# Trichromacy



**Original Color**  
33325D

**Protanomaly**  
29345F

**Deuteranomaly**  
25355C

**Tritanomaly**  
2E3649

# Monochromacy



**Original Color**  
33325D

**Achromatopsia**  
373737

**Achromatomaly**  
363545

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 33325D 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 #33325D looks like.

```
.text, #text, p{  
    color:#33325D  
}
```

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 #33325D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #33325D
}
```

## Border

The CSS property to change the border of an element to Hex 33325D 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
#33325D }
```

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

```
.border{ border-color:#33325D }
```

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

Here you see how a box with a 4 pixel #33325D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #33325D; -webkit-box-shadow:4px 4px  
4px 4px #33325D; box-shadow:4px 4px 4px  
4px #33325D }
```

# Background

The CSS property to change the background color of an element to Hex 33325D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#33325D }
```

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

```
.background{ background-color:#33325D }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor