

# Converting Colors

Hex(3E3168)

Have a look what the booklet for  
Hex(3E3168) contains.

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# Color

**Hex(3E3168)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3E3168
RGB	62, 49, 104
RGB Percent	24%, 19%, 41%
CMY	0.7569, 0.8078, 0.5922
CMYK	0.40, 0.53, 0.00, 0.59
HSL	254°, 36%, 30%
HSV	254°, 53%, 41%
XYZ	5.5836, 4.2202, 13.6170
YIQ	59.1570, -9.9070, 19.8610

# Conversions

## Conversions Part 2

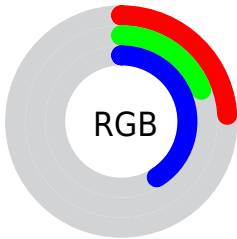
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	62, 49, 104
Decimal	4075880
CIE Lab	24.39, 20.29, -30.38
CIE LCh	24, 36.536, 303.734
Yxy	4.2202, 0.2384, 0.1802
Android (android.graphics.Color)	4282265960 (0xFF3E3168)
<b>YUV</b>	<b>59.1570, 22.1076, 2.4933</b>
Hunter-Lab	20.5432, 12.5654, -24.9199

# Details

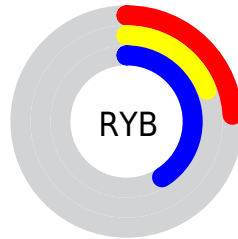
The Hex color **3E3168** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **5B6831**, and the grayscale version is **3B3B3B**.

A 20% lighter version of the original color is **705F9C**, and **0F0538** is the 20% darker color. If you saturate the color by 10%, you get **362768**, and if you desaturate by 10%, it is **463B68**.

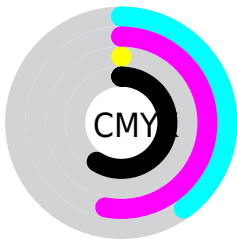
# Distribution



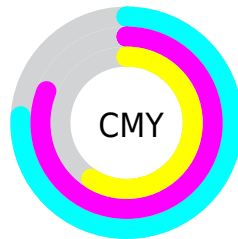
- Red (24%)
- Green (19%)
- Blue (41%)



- Red (24%)
- Yellow (19%)
- Blue (41%)



- Cyan (40%)
- Magenta (53%)
- Yellow (0%)
- Black (59%)



- Cyan (76%)
- Magenta (81%)
- Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3E3168 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 3E3168 by changing the saturation by 10% instead.





3E3168



3E3168

FFFFFF



261C50



705F9C



0F0538



8A78B7



000222



A592D2



000008



C1ADEF



000000



DDC8FF



FAE4FF



3E3168



3E3168



362768



463B68

■ 2E1C68

■ 4E4668

■ 261268

■ 565068

■ 1E0768

■ 5E5B68

■ 190068

■ 666568

■ 6E6F68

■ 767A68

■ 7E8468

■ 858F68

# Harmonies

## Analogous

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



003C71



3E3168



5D2453

# Triad

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



3E3168



5A2F04



00463D

# Complementary

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



3E3168



5B6831

# 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.



004520



3E3168



443A00

# Square

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



3E3168



68231D



274105



004658

# Rectangle

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



3E3168



681E41



274105



004633



# Sweetspot

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



3E3168



777287



315B68



3B3845



C4C4C4



454545



# Same Dimension

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



3E3168



463287



593168



2F2E33



1B0073



3900F2



# Inverse Universe

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



68315B



873273



406831



332E32



730058



F200B9



# Previews

## White Background



This preview shows how the Hex color 3E3168 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

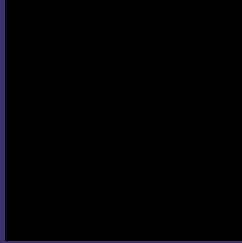
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 3E3168 Background



This preview shows how black text looks on a background with the Hex color 3E3168.



This preview shows how white text looks on a background with the Hex color 3E3168.

# 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](#).

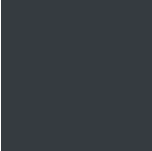
## Dichromacy



**Original Color**  
3E3168

**Protanopia**  
1B3870

**Deuteranopia**  
153B66



**Tritanopia**  
353B40

# Trichromacy



**Original Color**  
3E3168

**Protanomaly**  
28356D

**Deuteranomaly**  
243767

**Tritanomaly**  
38374F

# Monochromacy



**Original Color**  
3E3168

**Achromatopsia**  
3B3B3B

**Achromatomaly**  
3C374B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3E3168 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 #3E3168 looks like.

```
.text, #text, p{  
    color:#3E3168  
}
```

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 #3E3168 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3E3168
}
```

## Border

The CSS property to change the border of an element to Hex 3E3168 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
#3E3168 }
```

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

```
.border{ border-color:#3E3168 }
```

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

Here you see how a box with a 4 pixel #3E3168 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3E3168; -webkit-box-shadow:4px 4px  
4px 4px #3E3168; box-shadow:4px 4px 4px  
4px #3E3168 }
```

# Background

The CSS property to change the background color of an element to Hex 3E3168 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3E3168 }
```

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

```
.background{ background-color:#3E3168 }
```

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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