

# Converting Colors

Hex(3D416A)

Have a look what the booklet for  
Hex(3D416A) contains.

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# Color

**Hex(3D416A)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3D416A
RGB	61, 65, 106
RGB Percent	24%, 25%, 42%
CMY	0.7608, 0.7451, 0.5843
CMYK	0.42, 0.39, 0.00, 0.58
HSL	235°, 27%, 33%
HSV	235°, 42%, 42%
XYZ	6.4163, 5.8133, 14.4196
YIQ	68.4780, -15.5450, 11.9030

# Conversions

## Conversions Part 2

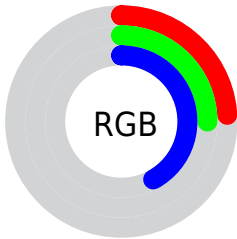
<b>Format</b>	<b>Color</b>
<b>RYB</b>	61, 65, 106
Decimal	4014442
CIELab	28.94, 9.90, -24.47
CIELCh	29, 26.393, 292.022
Yxy	5.8133, 0.2408, 0.2181
Android (android.graphics.Color)	4282204522 (0xFF3D416A)
YUV	68.4780, 18.4983, -6.5582
Hunter-Lab	24.1108, 5.3080, -18.5811

# Details

The Hex color **3D416A** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **6A663D**, and the grayscale version is **444444**.

A 20% lighter version of the original color is **6F719E**, and **0C173A** is the 20% darker color. If you saturate the color by 10%, you get **32376A**, and if you desaturate by 10%, it is **484B6A**.

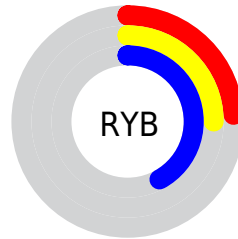
# Distribution



Red (24%)

Green (25%)

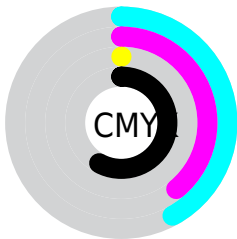
Blue (42%)



Red (24%)

Yellow (25%)

Blue (42%)

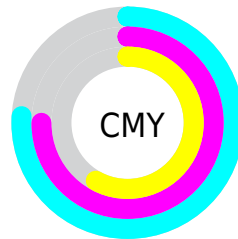


Cyan (42%)

Magenta (39%)

Yellow (0%)

Black (58%)



Cyan (76%)

Magenta (75%)

Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3D416A 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 3D416A by changing the saturation by 10% instead.



■ 3D416A

■ 3D416A

FFFFFF

■ 252B52

■ 6F719E

■ 0C173A

■ 898AB9

■ 000025

■ A3A4D4

■ 00010D

■ BFBFF1

■ 000000

■ DBDBFF

■ F8F8FF

■ 3D416A

■ 3D416A

■ 32376A

■ 484B6A

■ 282E6A

■ 52546A

■ 1D246A

■ 5D5E6A

■ 131A6A

■ 67686A

■ 08116A

■ 72716A

■ 00096A

■ 7D7B6A

■ 87856A

■ 928E6A

■ 9C986A

# Harmonies

## Analogous

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



0E486C



3D416A



58395E

# Triad

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



3D416A



643A25



004E3E

# Complementary

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



3D416A



6A663D

# 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.



294C2A



3D416A



55411B

# Square

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



3D416A



6A3436



41481D



004E53

# Rectangle

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



3D416A



643551



41481D



124E37



# Sweetspot

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



3D416A



78798A



3D6A66



3A3B45



C4C4C4



454545



# Same Dimension

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



3D416A



434A8A



4F3D6A



303136



000A75



0016F5



# Inverse Universe

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



6A3D41



8A434A



586A3D



363031



75000A



F50016



# Previews

## White Background



This preview shows how the Hex color 3D416A looks on a white background.

## Color Contrast Check

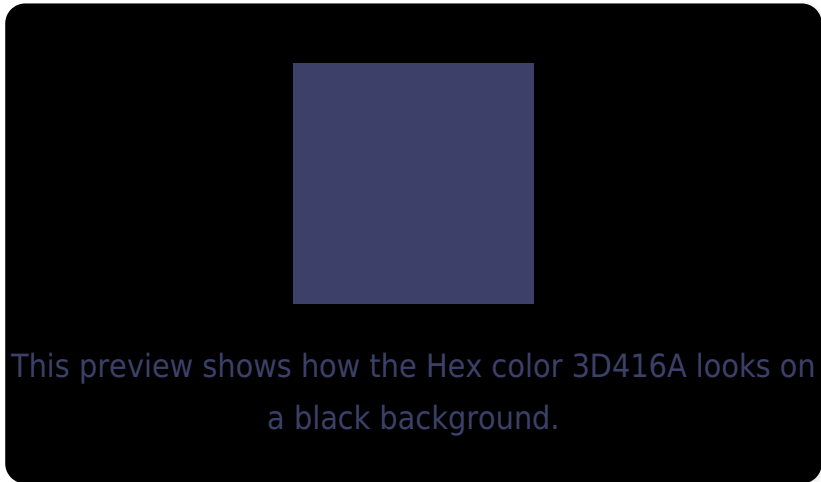
Large Text (above 18pt) WCAG AA ✓ Pass

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

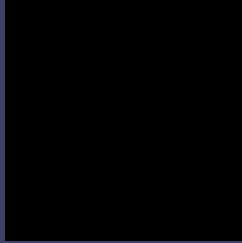
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 3D416A Background



This preview shows how black text looks on a background with the Hex color 3D416A.

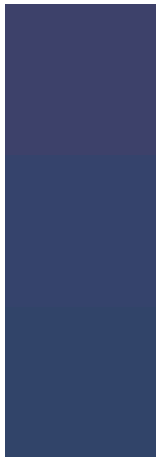


This preview shows how white text looks on a background with the Hex color 3D416A.

# 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**  
3D416A

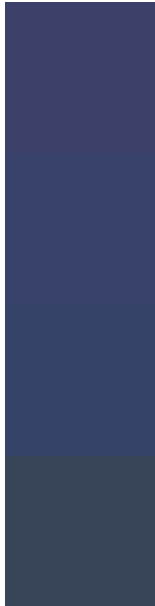
**Protanopia**  
35436C

**Deuteranopia**  
314469



**Tritanopia**  
35474D

# Trichromacy



**Original Color**  
3D416A

**Protanomaly**  
38426B

**Deuteranomaly**  
354369

**Tritanomaly**  
384558

# Monochromacy



**Original Color**  
3D416A

**Achromatopsia**  
444444

**Achromatomaly**  
414352

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3D416A 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 #3D416A looks like.

```
.text, #text, p{  
    color:#3D416A  
}
```

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 #3D416A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3D416A
}
```

## Border

The CSS property to change the border of an element to Hex 3D416A is called "border". The border property can be set on classes, ids or directly on the HTML element.

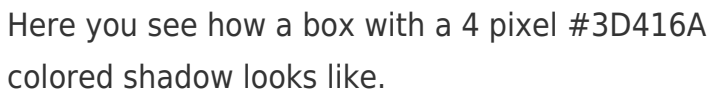
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#3D416A }
```

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

```
.border{ border-color:#3D416A }
```

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



Here you see how a box with a 4 pixel #3D416A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3D416A; -webkit-box-shadow:4px 4px  
4px 4px #3D416A; box-shadow:4px 4px 4px  
4px #3D416A }
```

# Background

The CSS property to change the background color of an element to Hex 3D416A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3D416A }
```

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

```
.background{ background-color:#3D416A }
```

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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