

# Converting Colors

Hex(31426B)

Have a look what the booklet for  
Hex(31426B) contains.

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# Color

**Hex(31426B)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	31426B
RGB	49, 66, 107
RGB Percent	19%, 26%, 42%
CMY	0.8078, 0.7412, 0.5804
CMYK	0.54, 0.38, 0.00, 0.58
HSL	222°, 37%, 31%
HSV	222°, 54%, 42%
XYZ	5.8687, 5.6109, 14.6836
YIQ	65.5910, -23.2930, 9.1470

# Conversions

## Conversions Part 2

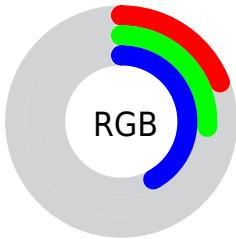
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	49, 62, 107
Decimal	3228267
CIE Lab	28.41, 6.21, -26.00
CIE LCh	28, 26.726, 283.426
Yxy	5.6109, 0.2243, 0.2145
Android (android.graphics.Color)	4281418347 (0xFF31426B)
YUV	65.5910, 20.4146, -14.5503
Hunter-Lab	23.6874, 2.7713, -20.1722

# Details

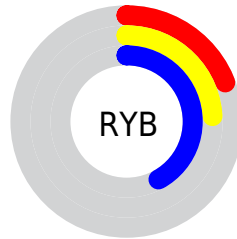
The Hex color **31426B** is a dark color, and the websafe version is hex **003366**. A complement of this color would be **6B5A31**, and the grayscale version is **414141**.

A 20% lighter version of the original color is **63729F**, and **00183B** is the 20% darker color. If you saturate the color by 10%, you get **263A6B**, and if you desaturate by 10%, it is **3C4A6B**.

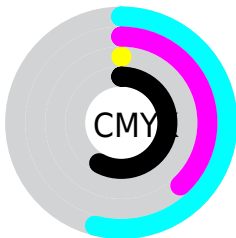
# Distribution



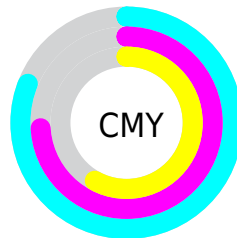
- Red (19%)
- Green (26%)
- Blue (42%)



- Red (19%)
- Yellow (24%)
- Blue (42%)



- Cyan (54%)
- Magenta (38%)
- Yellow (0%)
- Black (58%)



- Cyan (81%)
- Magenta (74%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 31426B 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 31426B by changing the saturation by 10% instead.



■ 31426B

■ 31426B

FFFFFF

■ 172C53

■ 63729F

■ 00183B

■ 7D8BBA

■ 000225

■ 98A5D5

■ 00010E

■ B3C0F2

■ 000000

■ CFDCFF

■ ECF9FF

■ 31426B

■ 31426B

■ 263A6B

■ 3C4A6B

■ 1C336B

■ 46516B

■ 112B6B

■ 51596B

■ 06246B

■ 5C606B

■ 001F6B

■ 67686B

■ 716F6B

■ 7C776B

■ 877F6B

■ 91866B

# Harmonies

## Analogous

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



00486A



31426B



513A61

# Triad

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



31426B



653628



0C4D37

# Complementary

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



31426B



6B5A31

# 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.



2F4A24



31426B



593E1B

# Square

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



31426B



6A323A



464519



004D4C

# Rectangle

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



31426B



5E3556



464519



1B4C30



# Sweetspot

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



31426B



767C8C



316B5A



3A3E47



C7C7C7



474747



# Same Dimension

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



31426B



314C8C



3D316B



303236



002275



0048F5



# Inverse Universe

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



6B3142



8C314C



5F6B31



363032



750022



F50048



# Previews

## White Background



This preview shows how the Hex color 31426B looks on a white background.

## Color Contrast Check

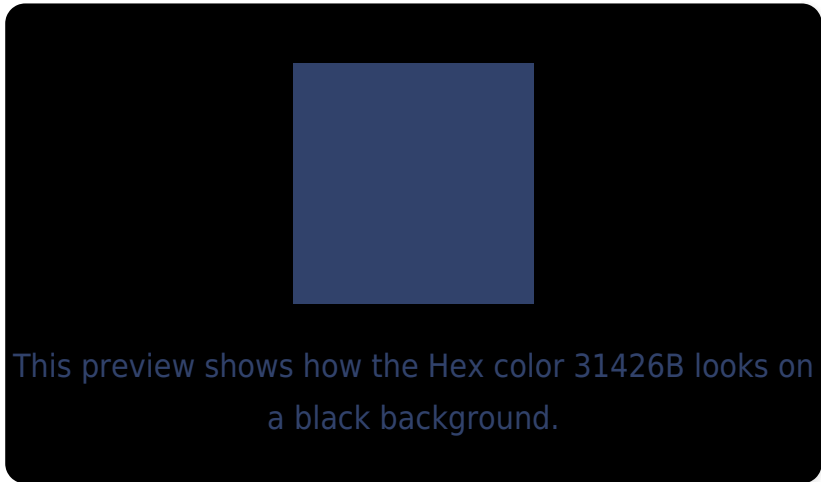
Large Text (above 18pt) WCAG AA ✓ Pass

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

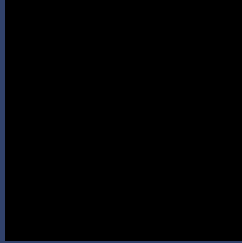
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 31426B Background



This preview shows how black text looks on a background with the Hex color 31426B.



This preview shows how white text looks on a background with the Hex color 31426B.

# 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**

31426B

**Protanopia**

33426B

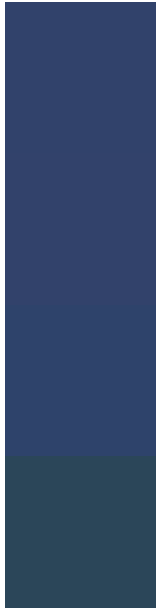
**Deuteranopia**

2C436B



**Tritanopia**  
27484E

# Trichromacy



**Original Color**  
31426B

**Protanomaly**  
32426B

**Deuteranomaly**  
2E436B

**Tritanomaly**  
2B4659

# Monochromacy



**Original Color**  
31426B

**Achromatopsia**  
424242

**Achromatomaly**  
3C4251

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 31426B 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 #31426B looks like.

```
.text, #text, p{  
    color:#31426B  
}
```

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 #31426B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #31426B
}
```

## Border

The CSS property to change the border of an element to Hex 31426B 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".

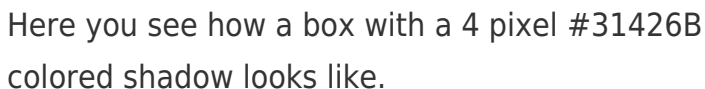
```
.border, #border, table{ border:4px solid
#31426B }
```

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

```
.border{ border-color:#31426B }
```

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

Here you see how a box with a 4 pixel #31426B colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #31426B; -webkit-box-shadow:4px 4px  
4px 4px #31426B; box-shadow:4px 4px 4px  
4px #31426B }
```

# Background

The CSS property to change the background color of an element to Hex 31426B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#31426B }
```

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

```
.background{ background-color:#31426B }
```

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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