

# Converting Colors

Hex(31408B)

Have a look what the booklet for  
Hex(31408B) contains.

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# Color

**Hex(31408B)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	31408B
RGB	49, 64, 139
RGB Percent	19%, 25%, 55%
CMY	0.8078, 0.7490, 0.4549
CMYK	0.65, 0.54, 0.00, 0.45
HSL	230°, 48%, 37%
HSV	230°, 65%, 55%
XYZ	7.7602, 6.1838, 25.2107
YIQ	68.0650, -33.0150, 20.1450

# Conversions

## Conversions Part 2

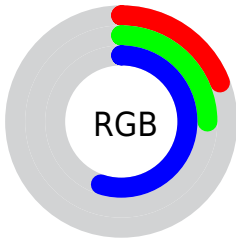
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	49, 62, 139
Decimal	3227787
CIE <sub>Lab</sub>	29.87, 19.19, -43.72
CIE <sub>LCh</sub>	30, 47.748, 293.696
Yxy	6.1838, 0.1982, 0.1579
Android (android.graphics.Color)	4281417867 (0xFF31408B)
<b>YUV</b>	68.0650, 34.9710, -16.7200
Hunter-Lab	24.8673, 12.1858, -42.7015




# Details

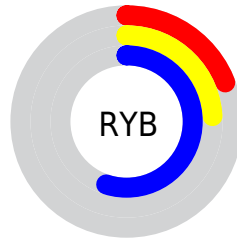
The Hex color **31408B** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **8B7C31**, and the grayscale version is **444444**.




A 20% lighter version of the original color is **696FC1**, and **001658** is the 20% darker color. If you saturate the color by 10%, you get **23348B**, and if you desaturate by 10%, it is **3F4C8B**.

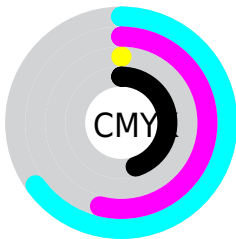
# Distribution







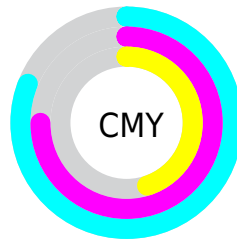
-  Red (19%)
-  Green (25%)
-  Blue (55%)






-  Red (19%)
-  Yellow (24%)
-  Blue (55%)



-  Cyan (65%)
-  Magenta (54%)
-  Yellow (0%)
-  Black (45%)



-  Cyan (81%)
-  Magenta (75%)
-  Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 31408B 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 31408B by changing the saturation by 10% instead.



■ 31408B

■ 31408B

FFFFFF

■ 0D2A71

■ 696FC1

■ 001658

■ 8489DD

■ 000040

■ A0A3FA

■ 000329

■ BCBEFF

■ 000113

■ D9DAFF

■ 000000

■ F6F6FF

■ 31408B

■ 31408B

■ 23348B

■ 3F4C8B

■ 15298B

■ 4D578B

■ 071D8B

■ 5B638B

■ 00178B

■ 696E8B

■ 767A8B

■ 84858B

■ 92918B

■ A09D8B

■ AEA88B

# Harmonies

## Analogous

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



004D91



31408B



6B2D73

# Triad

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



31408B



773206



00563D

# Complementary

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



31408B



8B7C31

# 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.



005316



31408B



5D4200

# Square

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



31408B



861F2B



3A4D00



005763

# Rectangle

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



31408B



7E1F5C



3A4D00



005530



# Sweetspot

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



31408B



9398B5



318B7C



474A5C



DBDBDB



5C5C5C



# Same Dimension

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



31408B



283FB5



4F318B



3E3F45



001685



000105



# Inverse Universe

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



8B3140



B5283F



6D8B31



453E3F



850016



050001



# Previews

## White Background



This preview shows how the Hex color 31408B looks on a white background.

## Color Contrast Check

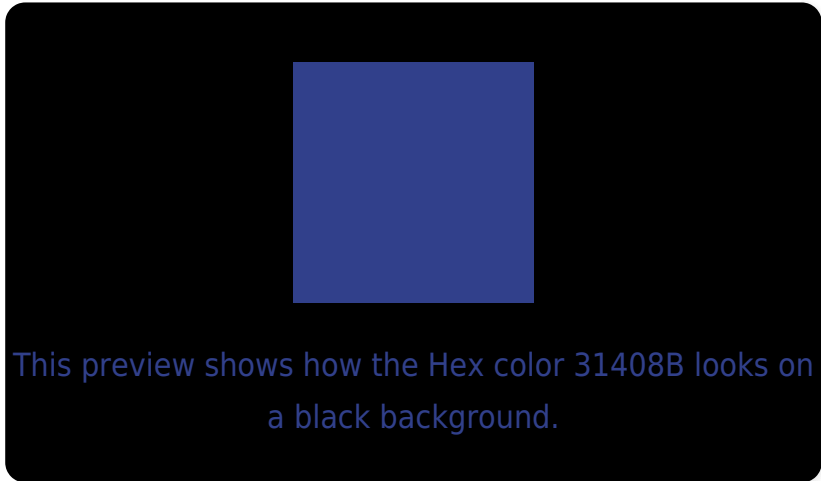
Large Text (above 18pt) WCAG AA ✓ Pass

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

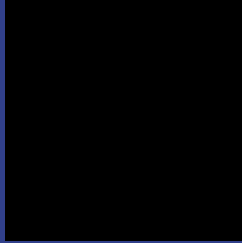
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 31408B Background



This preview shows how black text looks on a background with the Hex color 31408B.




This preview shows how white text looks on a background with the Hex color 31408B.

# 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





**Tritanopia**  
0B4E54

# Trichromacy



**Original Color**  
31408B

**Protanomaly**  
19438E

**Deuteranomaly**  
124582

**Tritanomaly**  
194968

# Monochromacy



**Original Color**  
31408B

**Achromatopsia**  
444444

**Achromatomaly**  
3D435E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 31408B 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 #31408B looks like.

```
.text, #text, p{  
    color:#31408B  
}
```

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 #31408B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #31408B
}
```

## Border

The CSS property to change the border of an element to Hex 31408B 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
#31408B }
```

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

```
.border{ border-color:#31408B }
```

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

Here you see how a box with a 4 pixel #31408B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #31408B; -webkit-box-shadow:4px 4px  
4px 4px #31408B; box-shadow:4px 4px 4px  
4px #31408B }
```

# Background

The CSS property to change the background color of an element to Hex 31408B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#31408B }
```

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

```
.background{ background-color:#31408B }
```

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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