

# Converting Colors

Hex(3B1671)

Have a look what the booklet for  
Hex(3B1671) contains.

<b>Hex(3B1671)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(3B1671)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3B1671
RGB	59, 22, 113
RGB Percent	23%, 9%, 44%
CMY	0.7686, 0.9137, 0.5569
CMYK	0.48, 0.81, 0.00, 0.56
HSL	264°, 67%, 26%
HSV	264°, 81%, 44%
XYZ	5.0712, 2.6959, 15.8759
YIQ	43.4370, -7.1590, 36.1450

# Conversions

## Conversions Part 2

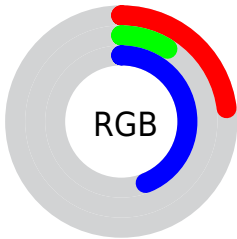
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	59, 22, 113
Decimal	3872369
CIE <sub>Lab</sub>	18.78, 38.31, -45.30
CIE <sub>LCh</sub>	19, 59.324, 310.222
Yxy	2.6959, 0.2145, 0.1140
Android (android.graphics.Color)	4282062449 (0xFF3B1671)
YUV	43.4370, 34.2946, 13.6488
Hunter-Lab	16.4191, 26.3976, -45.8348

# Details

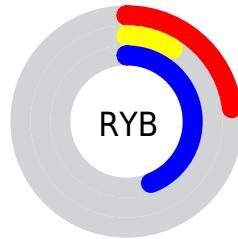
The Hex color **3B1671** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **4C7116**, and the grayscale version is **2B2B2B**.

A 20% lighter version of the original color is **7046A6**, and **070040** is the 20% darker color. If you saturate the color by 10%, you get **340B71**, and if you desaturate by 10%, it is **422171**.

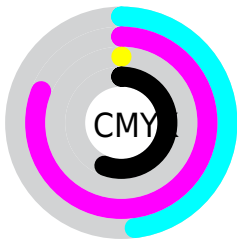
# Distribution



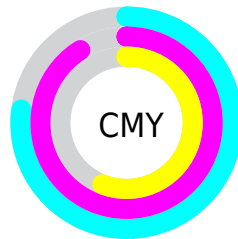
- Red (23%)
- Green (9%)
- Blue (44%)



- Red (23%)
- Yellow (9%)
- Blue (44%)



- Cyan (48%)
- Magenta (81%)
- Yellow (0%)
- Black (56%)



- Cyan (77%)
- Magenta (91%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3B1671 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 3B1671 by changing the saturation by 10% instead.



■ 3B1671

■ 3B1671

FFFFFF

■ 1F0058

■ 7046A6

■ 070040

■ 8B5EC1

■ 000329

■ A778DD

■ 000113

■ C392FA

■ 000000

■ E0ADFF

■ FDC9FF

■ FFE5FF

■ 3B1671

■ 3B1671

■ 340B71

■ 422171

■ 2E0071

■ 482D71

■ 4F3871

■ 564371

■ 5D4F71

■ 635A71

■ 6A6571

■ 717071

■ 777C71

# Harmonies

## Analogous

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



003085



3B1671



68004C

# Triad

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



3B1671



502000



003D3C

# Complementary

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



3B1671



4C7116

# 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.



003C0D



3B1671



2C3100

# Square

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



3B1671



690000



003900



003E66

# Rectangle

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



3B1671



720030



003900



003D2D



# Sweetspot

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



3B1671



7F7094



164D71



3D354A



C9C9C9



4A4A4A



# Same Dimension

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



3B1671



3F0494



681671



353238



310078



6500F7



# Inverse Universe

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



71164C



94045A



1F7116



383236



780047

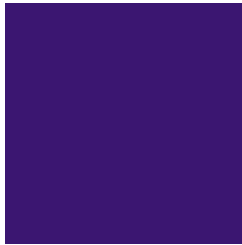


F70093



# Previews

## White Background



This preview shows how the Hex color 3B1671 looks on a white background.

## Color Contrast Check

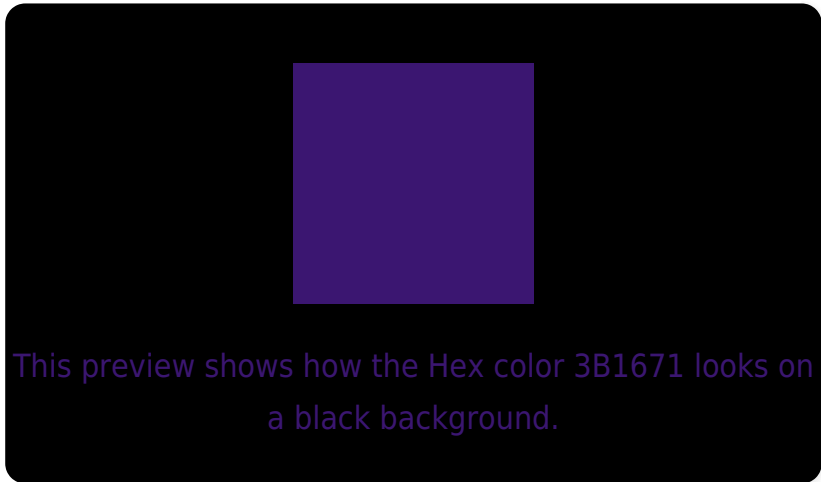
Large Text (above 18pt) WCAG AA ✓ Pass

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

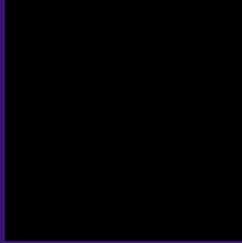
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 3B1671 Background



This preview shows how black text looks on a background with the Hex color 3B1671.



This preview shows how white text looks on a background with the Hex color 3B1671.

# 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](#).

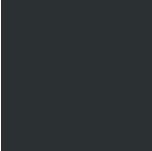
## Dichromacy



**Original Color**  
3B1671

**Protanopia**  
002D5F

**Deuteranopia**  
003052



**Tritanopia**  
2B3033

# Trichromacy



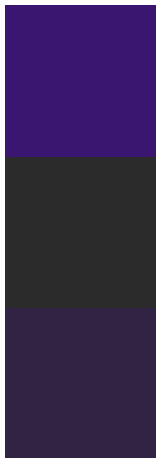
**Original Color**  
3B1671

**Protanomaly**  
152566

**Deuteranomaly**  
15275D

**Tritanomaly**  
31274A

# Monochromacy



**Original Color**  
3B1671

**Achromatopsia**  
2B2B2B

**Achromatomaly**  
312344

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3B1671 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 #3B1671 looks like.

```
.text, #text, p{  
    color:#3B1671  
}
```

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 #3B1671 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3B1671
}
```

## Border

The CSS property to change the border of an element to Hex 3B1671 is called "border". The border property can be set on classes, ids or directly on the HTML element.

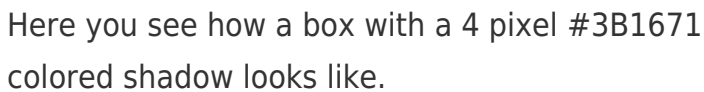
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#3B1671 }
```

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

```
.border{ border-color:#3B1671 }
```

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



Here you see how a box with a 4 pixel #3B1671 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3B1671; -webkit-box-shadow:4px 4px  
4px 4px #3B1671; box-shadow:4px 4px 4px  
4px #3B1671 }
```

# Background

The CSS property to change the background color of an element to Hex 3B1671 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3B1671 }
```

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

```
.background{ background-color:#3B1671 }
```

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