

# Converting Colors

Hex(3B2348)

Have a look what the booklet for  
Hex(3B2348) contains.

<b>Hex(3B2348)</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(3B2348)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3B2348
RGB	59, 35, 72
RGB Percent	23%, 14%, 28%
CMY	0.7686, 0.8627, 0.7176
CMYK	0.18, 0.51, 0.00, 0.72
HSL	279°, 35%, 21%
HSV	279°, 51%, 28%
XYZ	3.5744, 2.5997, 6.4443
YIQ	46.3940, 2.4270, 16.5950

# Conversions

## Conversions Part 2

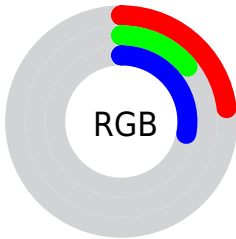
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	59, 35, 72
Decimal	3875656
CIE Lab	18.36, 19.40, -18.69
CIE LCh	18, 26.938, 316.057
Yxy	2.5997, 0.2833, 0.2060
Android (android.graphics.Color)	4282065736 (0xFF3B2348)
YUV	46.3940, 12.6238, 11.0555
Hunter-Lab	16.1237, 11.3539, -12.4103

# Details

The Hex color **3B2348** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **304823**, and the grayscale version is **2E2E2E**.

A 20% lighter version of the original color is **6B5079**, and **0D001D** is the 20% darker color. If you saturate the color by 10%, you get **381C48**, and if you desaturate by 10%, it is **3E2A48**.

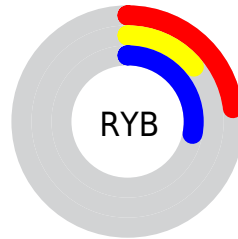
# Distribution



Red (23%)

Green (14%)

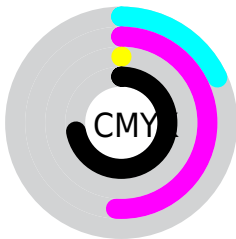
Blue (28%)



Red (23%)

Yellow (14%)

Blue (28%)

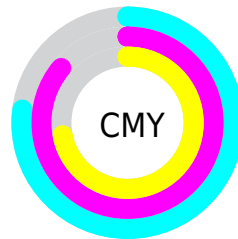


Cyan (18%)

Magenta (51%)

Yellow (0%)

Black (72%)



Cyan (77%)

Magenta (86%)

Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3B2348 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 3B2348 by changing the saturation by 10% instead.





3B2348



3B2348

FFFFFF



240E31



6B5079



0D001D



856993



000000



9F82AD



BA9CC9



D6B7E5



F3D3FF



FFEEFF



3B2348



3B2348

■ 381C48

■ 3E2A48

■ 361548

■ 403148

■ 330D48

■ 433948

■ 310648

■ 454048

■ 2F0048

■ 484748

■ 4A4E48

■ 4D5548

■ 4F5D48

■ 526448

# Harmonies

## Analogous

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



1B2B52



3B2348



4B1C37

# Triad

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



3B2348



3F2901



003637

# Complementary

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



3B2348



304823

# 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.



003523



3B2348



2D2F00

# Square

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



3B2348



4B2111



163310



003548

# Rectangle

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



3B2348



501A2A



163310



003630



# Sweetspot

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



3B2348



59505E



233148



2D2830



B0B0B0



303030



# Same Dimension

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



3B2348



4A245E



482343



222024



410063



9300E3



# Inverse Universe

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



482330



5E2438



234828



242021



630023



E30050



# Previews

## White Background



This preview shows how the Hex color 3B2348 looks on a white background.

## Color Contrast Check

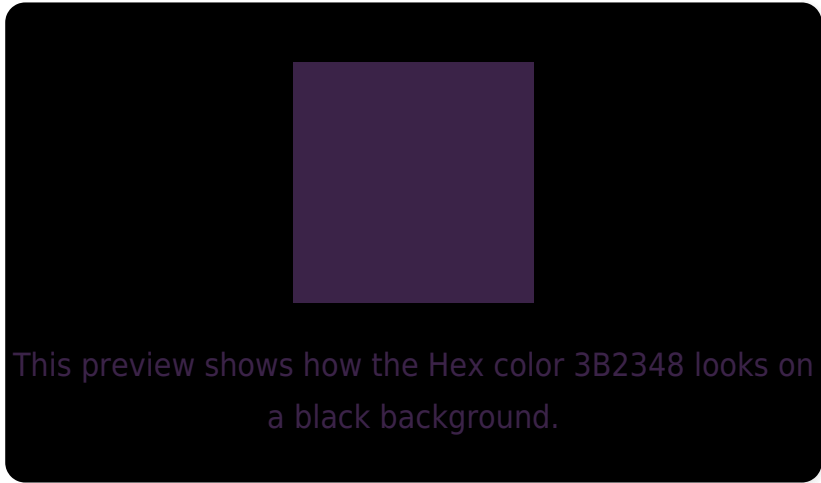
Large Text (above 18pt) WCAG AA ✓ Pass

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

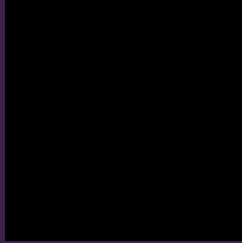
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 3B2348 Background



This preview shows how black text looks on a background with the Hex color 3B2348.



This preview shows how white text looks on a background with the Hex color 3B2348.

# 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**  
3B2348

**Protanopia**  
1C2C50

**Deuteranopia**  
212D46



**Tritanopia**  
372A2D

# Trichromacy



**Original Color**  
3B2348

**Protanomaly**  
27294D

**Deuteranomaly**  
2A2947

**Tritanomaly**  
382737

# Monochromacy



**Original Color**  
3B2348

**Achromatopsia**  
2E2E2E

**Achromatomaly**  
332A37

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3B2348 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 #3B2348 looks like.

```
.text, #text, p{  
    color:#3B2348  
}
```

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 #3B2348 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3B2348
}
```

## Border

The CSS property to change the border of an element to Hex 3B2348 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
#3B2348 }
```

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

```
.border{ border-color:#3B2348 }
```

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

Here you see how a box with a 4 pixel #3B2348 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3B2348; -webkit-box-shadow:4px 4px  
4px 4px #3B2348; box-shadow:4px 4px 4px  
4px #3B2348 }
```

# Background

The CSS property to change the background color of an element to Hex 3B2348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3B2348 }
```

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

```
.background{ background-color:#3B2348 }
```

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