

# Converting Colors

Hex(3B8047)

Have a look what the booklet for  
Hex(3B8047) contains.

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**Color**

**Hex(3B8047)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3B8047
RGB	59, 128, 71
RGB Percent	23%, 50%, 28%
CMY	0.7686, 0.4980, 0.7216
CMYK	0.54, 0.00, 0.45, 0.50
HSL	130°, 37%, 37%
HSV	130°, 54%, 50%
XYZ	10.6601, 16.8231, 8.6466
YIQ	100.8710, -22.8270, -32.3550

# Conversions

## Conversions Part 2

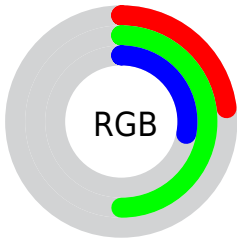
<b>Format</b>	<b>Color</b>
<b>RYB</b>	59, 118, 128
Decimal	3899463
CIELab	48.04, -34.89, 24.44
CIElCh	48, 42.601, 144.989
Yxy	16.8231, 0.2951, 0.4656
Android (android.graphics.Color)	4282089543 (0xFF3B8047)
YUV	100.8710, -14.7264, -36.7209
Hunter-Lab	41.0160, -25.3854, 16.2122

# Details

The Hex color **3B8047** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **803B74**, and the grayscale version is **656565**.

A 20% lighter version of the original color is **70B578**, and **004E1A** is the 20% darker color. If you saturate the color by 10%, you get **2E803C**, and if you desaturate by 10%, it is **488052**.

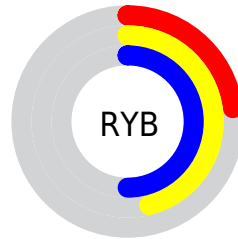
# Distribution



Red (23%)

Green (50%)

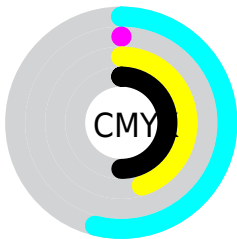
Blue (28%)



Red (23%)

Yellow (46%)

Blue (50%)

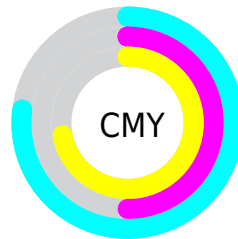


Cyan (54%)

Magenta (0%)

Yellow (45%)

Black (50%)



Cyan (77%)

Magenta (50%)

Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3B8047 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 3B8047 by changing the saturation by 10% instead.



 3B8047

 3B8047

FFFFFF

 1F6630

 70B578

 004E1A

 8BD192

 003601

 A6EEAD

 002300

 C2FFC8

 000000

 DFFFE5

 FCFFFF

 3B8047

 3B8047


 2E803C

 488052

 218032

 55805C

 158027

 618067

 08801D

 6E8071

 008016

 7B807C

 888086

 958091

 A1809C

 AE80A6

# Harmonies

## Analogous

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



68792D



3B8047



00836B

# Triad

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



3B8047



0078B9



B45556

# Complementary

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



3B8047



803B74

# 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.



B0537A



3B8047



6A6BB3

# Square

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



3B8047



0080AC



985C9C



A66038

# Rectangle

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



3B8047



008483



985C9C



B55361



# Sweetspot

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



3B8047



8BA690



75803B



445447



D4D4D4



545454



# Same Dimension

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



3B8047



3AA64D



3B8069



39403A



008016



000000



# Inverse Universe

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



803B74



A63A93



803B52



40393F



800069



000000



# Previews

## White Background



This preview shows how the Hex color 3B8047 looks on a white background.

## Color Contrast Check

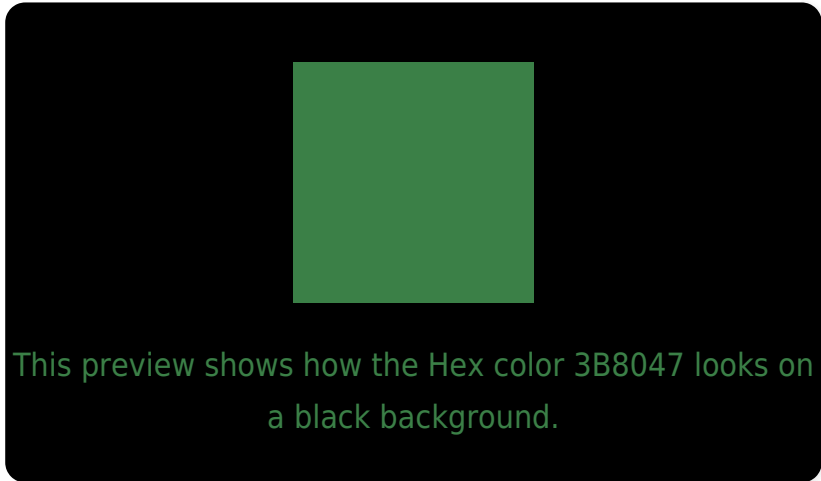
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

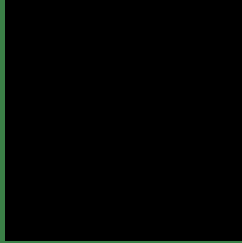
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 3B8047 Background



This preview shows how black text looks on a background with the Hex color 3B8047.



This preview shows how white text looks on a background with the Hex color 3B8047.

# 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**  
3B8047

**Protanopia**  
7C7142

**Deuteranopia**  
886C4C



**Tritanopia**  
4A7983

# Trichromacy



**Original Color**  
3B8047

**Protanomaly**  
647644

**Deuteranomaly**  
6C734A

**Tritanomaly**  
457C6D

# Monochromacy



**Original Color**  
3B8047

**Achromatopsia**  
656565

**Achromatomaly**  
566F5A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3B8047 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 #3B8047 looks like.

```
.text, #text, p{  
    color:#3B8047  
}
```

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 #3B8047 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3B8047
}
```

## Border

The CSS property to change the border of an element to Hex 3B8047 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
#3B8047 }
```

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

```
.border{ border-color:#3B8047 }
```

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

Here you see how a box with a 4 pixel #3B8047 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3B8047; -webkit-box-shadow:4px 4px  
4px 4px #3B8047; box-shadow:4px 4px 4px  
4px #3B8047 }
```

# Background

The CSS property to change the background color of an element to Hex 3B8047 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3B8047 }
```

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

```
.background{ background-color:#3B8047 }
```

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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