

# Converting Colors

Hex(3D8106)

Have a look what the booklet for  
Hex(3D8106) contains.

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**Color**

**Hex(3D8106)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3D8106
RGB	61, 129, 6
RGB Percent	24%, 51%, 2%
CMY	0.7608, 0.4941, 0.9765
CMYK	0.53, 0.00, 0.95, 0.49
HSL	93°, 91%, 26%
HSV	93°, 95%, 51%
XYZ	9.8076, 16.7058, 2.8799
YIQ	94.6460, -1.0450, -52.6690

# Conversions

## Conversions Part 2

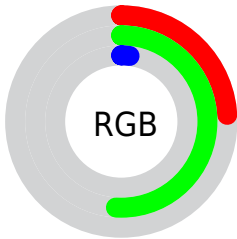
<b>Format</b>	<b>Color</b>
<b>RYB</b>	6, 129, 74
Decimal	4030726
CIELab	47.89, -40.86, 50.56
CIELCh	48, 65.005, 128.941
Yxy	16.7058, 0.3337, 0.5684
Android (android.graphics.Color)	4282220806 (0xFF3D8106)
YUV	94.6460, -43.7025, -29.5075
Hunter-Lab	40.8727, -28.6953, 24.4333

# Details

The Hex color **3D8106** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **4A0681**, and the grayscale version is **5F5F5F**.

A 20% lighter version of the original color is **74B743**, and **004F00** is the 20% darker color. If you saturate the color by 10%, you get **3A8100**, and if you desaturate by 10%, it is **448113**.

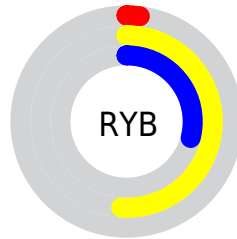
# Distribution



Red (24%)

Green (51%)

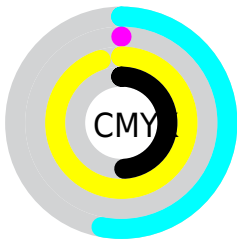
Blue (2%)



Red (2%)

Yellow (51%)

Blue (29%)

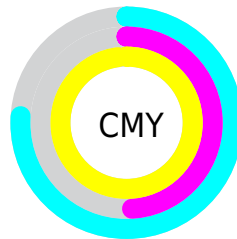


Cyan (53%)

Magenta (0%)

Yellow (95%)

Black (49%)



Cyan (76%)

Magenta (49%)

Yellow (98%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3D8106 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 3D8106 by changing the saturation by 10% instead.



 3D8106

 3D8106

FFFFFF

 1F6700

 74B743

 004F00

 90D25D

 003700

 ACEF78

 002200

 C9FF93

 000000

 E6FFAE

 FFFFCB

 FFFFE7

 3D8106

 3D8106

■ 3A8100

■ 448113

■ 4B8120

■ 52812D

■ 5A813A

■ 618147

■ 688153

■ 6F8160

■ 76816D

■ 7D817A

# Harmonies

## Analogous

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



7B7500



3D8106



008748

# Triad

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



3D8106



0082D8



D13164

# Complementary

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



3D8106



4A0681

# 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.



BE3D9A



3D8106



0073DF

# Square

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



3D8106



0089B6



875BC8



C7452F

# Rectangle

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



3D8106



00896E



875BC8



CF3176



# Sweetspot

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



3D8106



8DA877



814A06



445437



D4D4D4



545454



# Same Dimension

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



3D8106



4BA800



06810C



3C4039



398000



000000



# Inverse Universe

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



4A0681



5D00A8



81067B



3D3940



460080

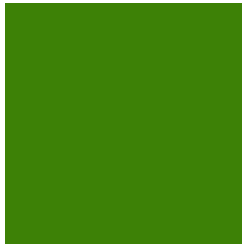


000000



# Previews

## White Background



This preview shows how the Hex color 3D8106 looks on a white background.

## Color Contrast Check

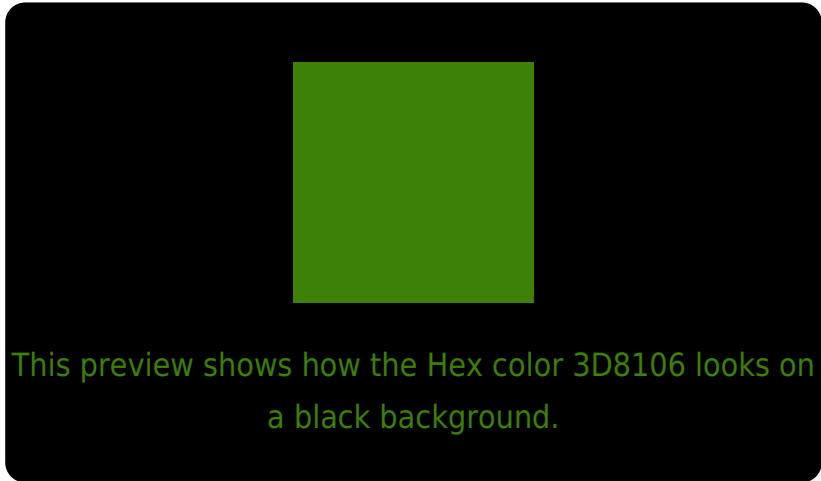
Large Text (above 18pt) WCAG AA ✓ Pass

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 3D8106 Background



This preview shows how black text looks on a background with the Hex color 3D8106.



This preview shows how white text looks on a background with the Hex color 3D8106.

# 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**  
3D8106

**Protanopia**  
807100

**Deuteranopia**  
8E6B1B



**Tritanopia**  
4F7882

# Trichromacy



**Original Color**  
3D8106

**Protanomaly**  
687702

**Deuteranomaly**  
717313

**Tritanomaly**  
487B55

# Monochromacy



**Original Color**  
3D8106

**Achromatopsia**  
5F5F5F

**Achromatomaly**  
536B3F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3D8106 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 #3D8106 looks like.

```
.text, #text, p{  
    color:#3D8106  
}
```

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 #3D8106 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3D8106
}
```

## Border

The CSS property to change the border of an element to Hex 3D8106 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
#3D8106 }
```

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

```
.border{ border-color:#3D8106 }
```

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

Here you see how a box with a 4 pixel #3D8106 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3D8106; -webkit-box-shadow:4px 4px  
4px 4px #3D8106; box-shadow:4px 4px 4px  
4px #3D8106 }
```

# Background

The CSS property to change the background color of an element to Hex 3D8106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3D8106 }
```

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

```
.background{ background-color:#3D8106 }
```

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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