

# Converting Colors

Hex(808033)

Have a look what the booklet for  
Hex(808033) contains.

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**Color**

**Hex(808033)**

# Conversions

## Conversions Part 1

Format	Color
Hex	808033
RGB	128, 128, 51
RGB Percent	50%, 50%, 20%
CMY	0.4980, 0.4980, 0.8000
CMYK	0.00, 0.00, 0.60, 0.50
HSL	60°, 43%, 35%
HSV	60°, 60%, 50%
XYZ	17.2188, 20.2666, 6.1363
YIQ	119.2220, 24.7170, -23.9470

# Conversions

## Conversions Part 2

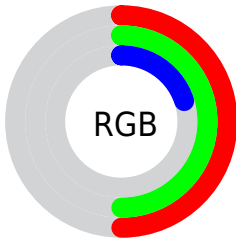
<b>Format</b>	<b>Color</b>
<b>RYB</b>	51, 128, 51
Decimal	8421427
CIELab	52.14, -10.78, 40.80
CIElCh	52, 42.198, 104.799
Yxy	20.2666, 0.3947, 0.4646
Android (android.graphics.Color)	4286611507 (0xFF808033)
YUV	119.2220, -33.6334, 7.6983
Hunter-Lab	45.0184, -10.5088, 23.4313

# Details

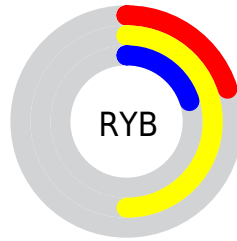
The Hex color **808033** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **333380**, and the grayscale version is **787878**.

A 20% lighter version of the original color is **B7B565**, and **4C4F00** is the 20% darker color. If you saturate the color by 10%, you get **808026**, and if you desaturate by 10%, it is **808040**.

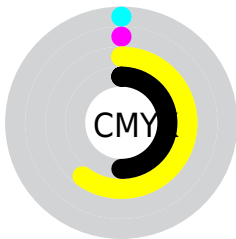
# Distribution



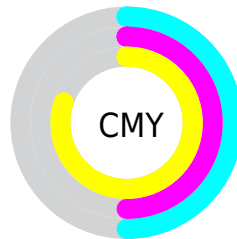
- Red (50%)
- Green (50%)
- Blue (20%)



- Red (20%)
- Yellow (50%)
- Blue (20%)



- Cyan (0%)
- Magenta (0%)
- Yellow (60%)
- Black (50%)



- Cyan (50%)
- Magenta (50%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 808033 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 808033 by changing the saturation by 10% instead.



 808033

 808033

FFFFFF

 66671A

 B7B565

 4C4F00

 D3D07F

 343800

 F0EC99

 1C2300

 FFFFB4

 000E00

 FFFF00

 000000

 FFFFED

 808033

 808033

 808026

 808040

 808019

 80804D

 80800D

 808059

 808000

 808066

 808073

 808080

 80808D

 808099

 8080A6

# Harmonies

## Analogous

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



A17435



808033



578947

# Triad

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



808033



008CAE



B66090

# Complementary

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



808033



333380

# 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.



966CB0



808033



0085C2

# Square

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



808033



008F8E



5F7AC2



C05E6C

# Rectangle

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



808033



338C5C



5F7AC2



AD639C



# Sweetspot

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



808033



A6A688



803333



545442



D4D4D4



545454



# Same Dimension

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



808033



A6A62E



5A8033



404039



808000



000000



# Inverse Universe

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



333380



2E2EA6



5A3380



393940



000080



000000



# Previews

## White Background



This preview shows how the Hex color 808033 looks on a white background.

## Color Contrast Check

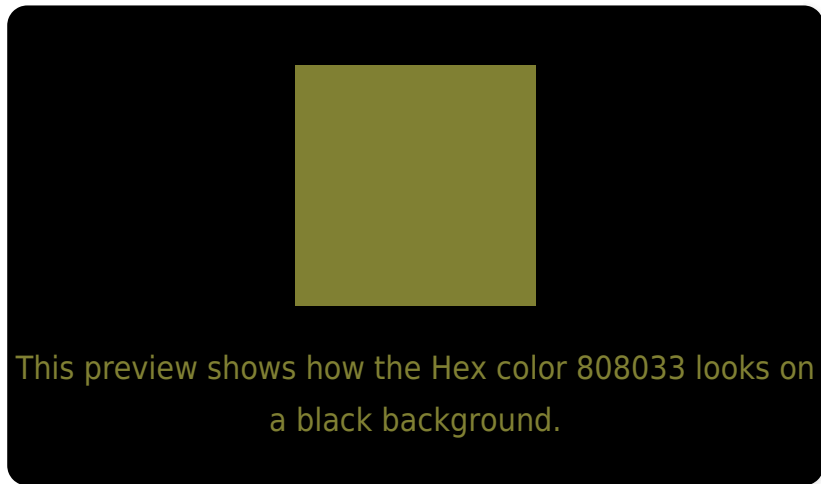
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

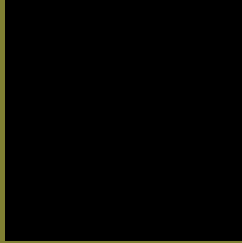
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 808033 Background



This preview shows how black text looks on a background with the Hex color 808033.



This preview shows how white text looks on a background with the Hex color 808033.

# 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**  
808033

**Protanopia**  
8B7D32

**Deuteranopia**  
9A7636



**Tritanopia**  
887881

# Trichromacy



**Original Color**  
808033

**Protanomaly**  
877E32

**Deuteranomaly**  
917A35

**Tritanomaly**  
857B65

# Monochromacy



**Original Color**  
808033

**Achromatopsia**  
777777

**Achromatomaly**  
7A7A5E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 808033 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 #808033 looks like.

```
.text, #text, p{  
    color:#808033  
}
```

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 #808033 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #808033
}
```

## Border

The CSS property to change the border of an element to Hex 808033 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
#808033 }
```

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

```
.border{ border-color:#808033 }
```

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

Here you see how a box with a 4 pixel #808033 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #808033; -webkit-box-shadow:4px 4px  
4px 4px #808033; box-shadow:4px 4px 4px  
4px #808033 }
```

# Background

The CSS property to change the background color of an element to Hex 808033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#808033 }
```

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

```
.background{ background-color:#808033 }
```

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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