

# Converting Colors

Hex(008042)

Have a look what the booklet for  
Hex(008042) contains.

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**Color**

**Hex(008042)**

# Conversions

## Conversions Part 1

Format	Color
Hex	008042
RGB	0, 128, 66
RGB Percent	0%, 50%, 26%
CMY	1.0000, 0.4980, 0.7412
CMYK	1.00, 0.00, 0.48, 0.50
HSL	151°, 100%, 25%
HSV	151°, 100%, 50%
XYZ	8.7025, 15.8317, 7.7514
YIQ	82.6600, -56.3860, -46.4180

# Conversions

## Conversions Part 2

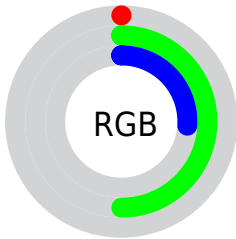
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 84, 128
Decimal	32834
CIELab	46.75, -45.13, 25.30
CIELCh	47, 51.739, 150.720
Yxy	15.8317, 0.2695, 0.4904
Android (android.graphics.Color)	4278222914 (0xFF008042)
YUV	82.6600, -8.2134, -72.4928
Hunter-Lab	39.7891, -30.5899, 16.3019

# Details

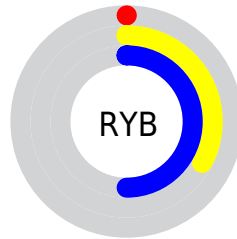
The Hex color **008042** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **80003E**, and the grayscale version is **535353**.

A 20% lighter version of the original color is **4FB673**, and **004D15** is the 20% darker color. If you saturate the color by 10%, you get **008042**, and if you desaturate by 10%, it is **0D8048**.

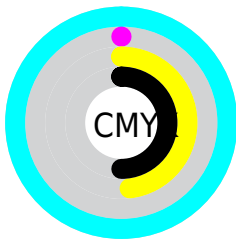
# Distribution



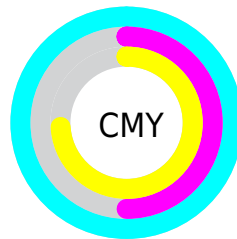
- Red (0%)
- Green (50%)
- Blue (26%)



- Red (0%)
- Yellow (33%)
- Blue (50%)



- Cyan (100%)
- Magenta (0%)
- Yellow (48%)
- Black (50%)



- Cyan (100%)
- Magenta (50%)
- Yellow (74%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 008042 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 008042 by changing the saturation by 10% instead.



 008042

 008042

FFFFFF

 00662B

 4FB673

 004D15

 6BD28D

 003500

 88EFA7

 001F00

 A4FFC3

 000000

 C1FFDF

 DEFFFC

 FCFFFF

 008042

 0D8048

 1A804E

 268055

 33805B

 408061

 4D8067

 5A806D

 668074

 73807A

# Harmonies

## Analogous

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



58791B



008042



00836F

# Triad

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



008042



0074C6



BA4B45

# Complementary

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



008042



80003E

# 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.



BB4470



008042



6F63BA

# Square

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



008042



007EBA



A44F9A



A55C20

# Rectangle

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



008042



00838C



A44F9A



BD4753



# Sweetspot

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



008042



74A68E



408000



365445



D4D4D4



545454



# Same Dimension

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



008042



00A655



008080



39403D



000000

# Inverse Universe

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



80003E



A60050



800000



40393C



000000

# Previews

## White Background



This preview shows how the Hex color 008042 looks on a white background.

## Color Contrast Check

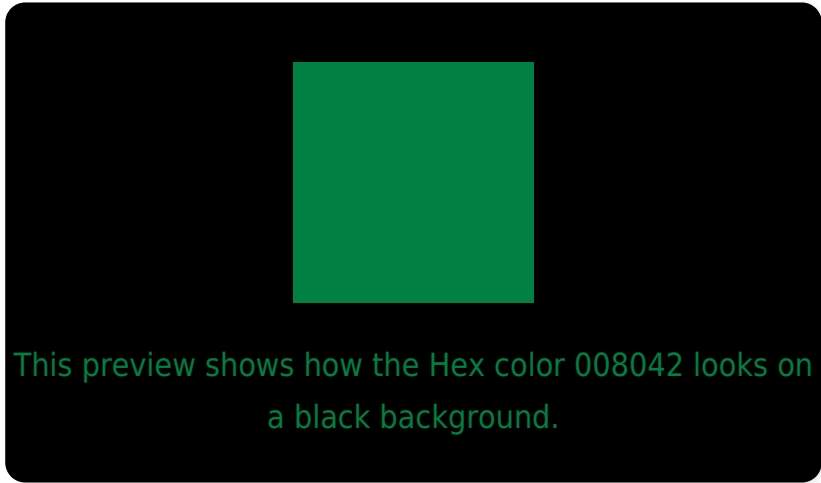
Large Text (above 18pt) WCAG AA ✓ Pass

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 008042 Background



This preview shows how black text looks on a background with the Hex color 008042.

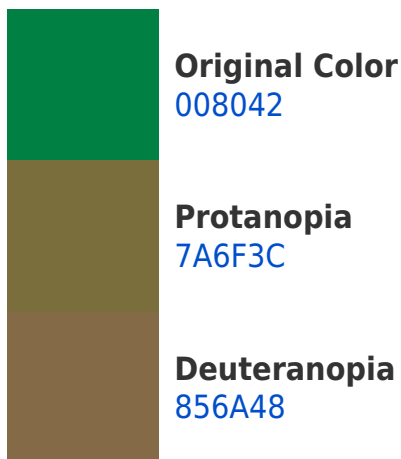


This preview shows how white text looks on a background with the Hex color 008042.

# 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







**Tritanopia**  
317983

# Trichromacy



**Original Color**  
008042



**Protanomaly**  
4E753E



**Deuteranomaly**  
557246



**Tritanomaly**  
1F7C6B

# Monochromacy



**Original Color**  
008042



**Achromatopsia**  
535353



**Achromatomaly**  
35634D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 008042 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 #008042 looks like.

```
.text, #text, p{  
    color:#008042  
}
```

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 #008042 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #008042
}
```

## Border

The CSS property to change the border of an element to Hex 008042 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
#008042 }
```

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

```
.border{ border-color:#008042 }
```

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

Here you see how a box with a 4 pixel #008042 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #008042; -webkit-box-shadow:4px 4px  
4px 4px #008042; box-shadow:4px 4px 4px  
4px #008042 }
```

# Background

The CSS property to change the background color of an element to Hex 008042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#008042 }
```

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

```
.background{ background-color:#008042 }
```

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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