

# Converting Colors

Hex(008342)

Have a look what the booklet for  
Hex(008342) contains.

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# Color

Hex(008342)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	008342
RGB	0, 131, 66
RGB Percent	0%, 51%, 26%
CMY	1.0000, 0.4863, 0.7412
CMYK	1.00, 0.00, 0.50, 0.49
HSL	150°, 100%, 26%
HSV	150°, 100%, 51%
XYZ	9.0997, 16.6259, 7.8838
YIQ	84.4210, -57.2110, -47.9870

# Conversions

## Conversions Part 2

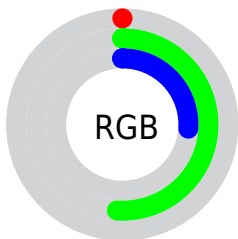
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 87, 131
Decimal	33602
CIELab	47.79, -46.20, 26.62
CIELCh	48, 53.319, 150.055
Yxy	16.6259, 0.2707, 0.4947
Android (android.graphics.Color)	4278223682 (0xFF008342)
YUV	84.4210, -9.0816, -74.0372
Hunter-Lab	40.7749, -31.5206, 17.0788

# Details

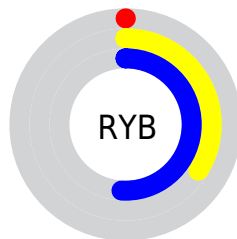
The Hex color **008342** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **830041**, and the grayscale version is **555555**.

A 20% lighter version of the original color is **50B973**, and **005014** is the 20% darker color. If you saturate the color by 10%, you get **008342**, and if you desaturate by 10%, it is **0D8349**.

# Distribution



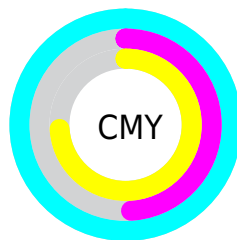
- Red (0%)
- Green (51%)
- Blue (26%)



- Red (0%)
- Yellow (34%)
- Blue (51%)



- Cyan (100%)
- Magenta (0%)
- Yellow (50%)
- Black (49%)



- Cyan (100%)
- Magenta (49%)
- Yellow (74%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 008342 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 008342 by changing the saturation by 10% instead.



 008342

 008342

FFFFFF

 00692B

 50B973

 005014

 6CD58D

 003800

 89F2A8

 002200

 A5FFC3

 000000

 C2FFDF

 E0FFFC

 FDFFFF

 008342

 0D8349

 1A834F

 278356

 34835C

 428363

 4F8369

 5C8370

 698376

 76837C

# Harmonies

## Analogous

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



5B7C19



008342



008670

# Triad

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



008342



0077CC



BF4B47

# Complementary

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



008342



830041

# 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.



C04573



008342



7065C0

# Square

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



008342



0081BF



A7519F



AA5E21

# Rectangle

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



008342



00868F



A7519F



C24755



# Sweetspot

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



008342



78AB91



428300



375747



D6D6D6



575757



# Same Dimension

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



008342



00AB56



008383



3C423F



008242



000301



# Inverse Universe

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



830041



AB0055



830000



423C3F



820041



030001



# Previews

## White Background



This preview shows how the Hex color 008342 looks on a white background.

## Color Contrast Check

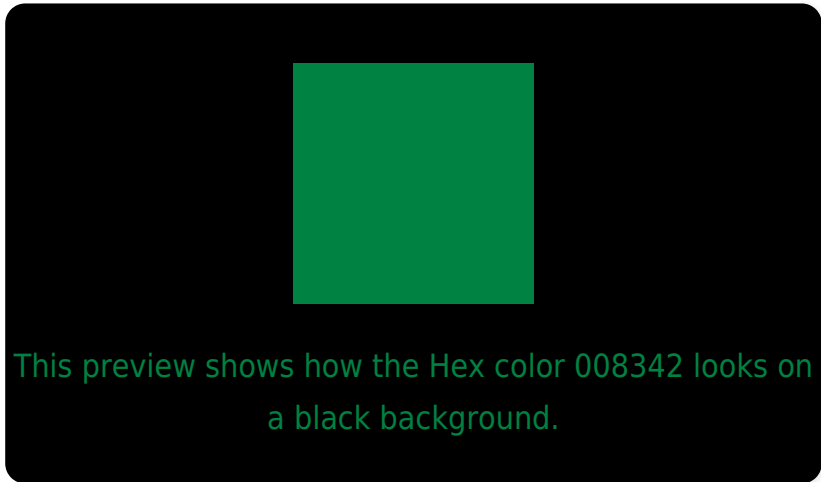
Large Text (above 18pt) WCAG AA ✓ Pass

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 008342 Background



This preview shows how black text looks on a background with the Hex color 008342.



This preview shows how white text looks on a background with the Hex color 008342.

# 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**  
008342

**Protanopia**  
7D713C

**Deuteranopia**  
886C48



**Tritanopia**  
327C86

# Trichromacy



**Original Color**  
008342



**Protanomaly**  
50783E



**Deuteranomaly**  
577446



**Tritanomaly**  
207F6D

# Monochromacy



**Original Color**  
008342



**Achromatopsia**  
545454



**Achromatomaly**  
35654D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 008342 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 #008342 looks like.

```
.text, #text, p{  
    color:#008342  
}
```

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 #008342 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #008342
}
```

## Border

The CSS property to change the border of an element to Hex 008342 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
#008342 }
```

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

```
.border{ border-color:#008342 }
```

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

Here you see how a box with a 4 pixel #008342 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #008342; -webkit-box-shadow:4px 4px  
4px 4px #008342; box-shadow:4px 4px 4px  
4px #008342 }
```

# Background

The CSS property to change the background color of an element to Hex 008342 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#008342 }
```

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

```
.background{ background-color:#008342 }
```

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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