

# Converting Colors

Hex(42B368)

Have a look what the booklet for  
Hex(42B368) contains.

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# **Color**

**Hex(42B368)**

# Conversions

## Conversions Part 1

Format	Color
Hex	42B368
RGB	66, 179, 104
RGB Percent	26%, 70%, 41%
CMY	0.7412, 0.2980, 0.5922
CMYK	0.63, 0.00, 0.42, 0.30
HSL	140°, 46%, 48%
HSV	140°, 63%, 70%
XYZ	20.8656, 34.3979, 18.6364
YIQ	136.6630, -43.2730, -47.2810

# Conversions

## Conversions Part 2

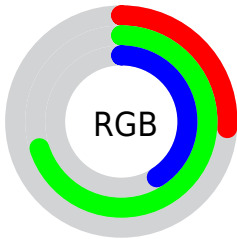
Format	Color
<a href="#">RYB</a>	<a href="#">66, 151, 179</a>
Decimal	<a href="#">4371304</a>
CIELab	<a href="#">65.28, -48.71, 29.09</a>
CIELCh	<a href="#">65, 56.733, 149.154</a>
Yxy	<a href="#">34.3979, 0.2823, 0.4655</a>
Android (android.graphics.Color)	<a href="#">4282561384 (0xFF42B368)</a>
YUV	<a href="#">136.6630, -16.1029, -61.9715</a>
Hunter-Lab	<a href="#">58.6497, -39.1329, 22.2149</a>

# Details

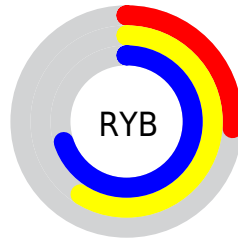
The Hex color **42B368** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **B3428D**, and the grayscale version is **898989**.

A 20% lighter version of the original color is **7DEC9C**, and **007D37** is the 20% darker color. If you saturate the color by 10%, you get **30B35C**, and if you desaturate by 10%, it is **54B374**.

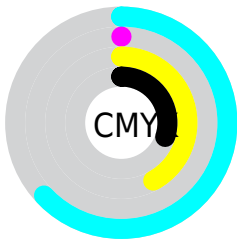
# Distribution



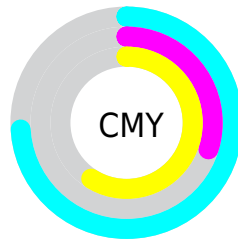
- Red (26%)
- Green (70%)
- Blue (41%)



- Red (26%)
- Yellow (59%)
- Blue (70%)



- Cyan (63%)
- Magenta (0%)
- Yellow (42%)
- Black (30%)



- Cyan (74%)
- Magenta (30%)
- Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 42B368 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 42B368 by changing the saturation by 10% instead.





42B368



42B368

FFFFFF



1E984F



7DEC9C



007D37



9AFFB7



006320



B7FFD3



004A08



D4FFE7



003300



F2FFFF



001B00



000000



42B368



42B368



30B35C



54B374

 1EB350

 66B380

 0CB344

 78B38C

 00B33C

 8AB398

 9BB3A3

 ADB3AF

 BFB3BB

 D1B3C7

 E3B3D3

# Harmonies

## Analogous

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



89AA40



42B368



00B79B

# Triad

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



42B368



11A5FF



F97670

# Complementary

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



42B368



B3428D

# 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.



F971A2



42B368



9D92F8

# Square

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



42B368



00B1F5



DB7DD3



E38847

# Rectangle

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



42B368



00B7BE



DB7DD3



FC7280



# Sweetspot

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



42B368



BCE8CB



8DB342



5A7563



F5F5F5



757575



# Same Dimension

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



42B368



38E873



42B3A0



505953



009933



001A09



# Inverse Universe

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



B3428D



E838AD



B34255



595056



990066



1A0011



# Previews

## White Background



This preview shows how the Hex color 42B368 looks on a white background.

## Color Contrast Check

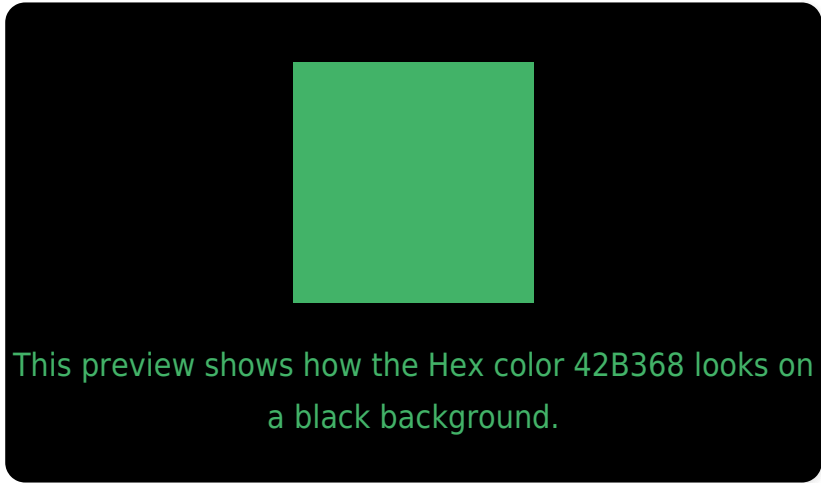
Large Text (above 18pt) WCAG AA × Fail

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 ✓ Pass

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



## Hex 42B368 Background



This preview shows how black text looks on a background with the Hex color 42B368.

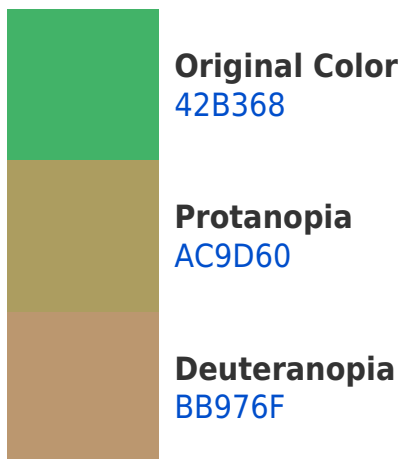


This preview shows how white text looks on a background with the Hex color 42B368.

# 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](#).

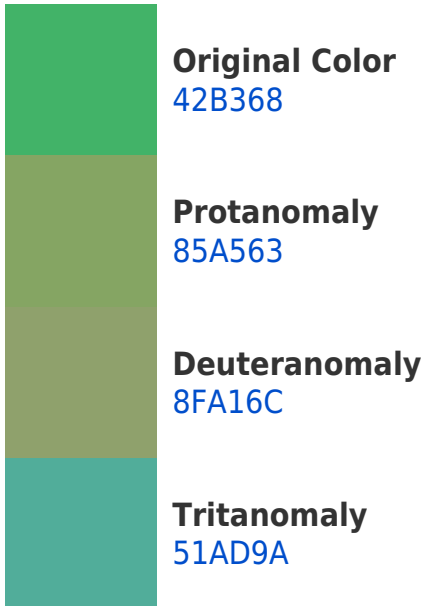
## Dichromacy





**Tritanopia**  
5AAAB7

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 42B368 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 #42B368 looks like.

```
.text, #text, p{  
    color:#42B368  
}
```

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 #42B368 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #42B368
}
```

## Border

The CSS property to change the border of an element to Hex 42B368 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
#42B368 }
```

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

```
.border{ border-color:#42B368 }
```

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

Here you see how a box with a 4 pixel #42B368 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #42B368; -webkit-box-shadow:4px 4px  
4px 4px #42B368; box-shadow:4px 4px 4px  
4px #42B368 }
```

# Background

The CSS property to change the background color of an element to Hex 42B368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#42B368 }
```

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

```
.background{ background-color:#42B368 }
```

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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