

# Converting Colors

Hex(40C533)

Have a look what the booklet for  
Hex(40C533) contains.

<b>Hex(40C533)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

**Color**

**Hex(40C533)**

# Conversions

## Conversions Part 1

Format	Color
Hex	40C533
RGB	64, 197, 51
RGB Percent	25%, 77%, 20%
CMY	0.7490, 0.2275, 0.8000
CMYK	0.68, 0.00, 0.74, 0.23
HSL	115°, 59%, 49%
HSV	115°, 74%, 77%
XYZ	22.6781, 41.2615, 9.9010
YIQ	140.5890, -32.4020, -73.6020

# Conversions

## Conversions Part 2

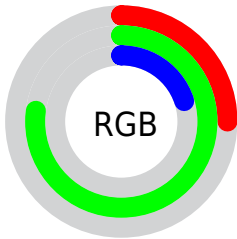
Format	Color
<a href="#">RYB</a>	<a href="#">51, 197, 184</a>
Decimal	<a href="#">4244787</a>
CIELab	<a href="#">70.36, -62.12, 58.96</a>
CIELCh	<a href="#">70, 85.643, 136.495</a>
Yxy	<a href="#">41.2615, 0.3071, 0.5588</a>
Android (android.graphics.Color)	<a href="#">4282434867 (0xFF40C533)</a>
YUV	<a href="#">140.5890, -44.1674, -67.1686</a>
Hunter-Lab	<a href="#">64.2351, -49.3922, 35.8258</a>

# Details

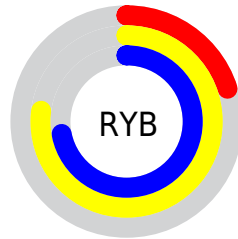
The Hex color **40C533** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **B833C5**, and the grayscale version is **8D8D8D**.

A 20% lighter version of the original color is **81FF6B**, and **008E00** is the 20% darker color. If you saturate the color by 10%, you get **2EC51F**, and if you desaturate by 10%, it is **52C547**.

# Distribution



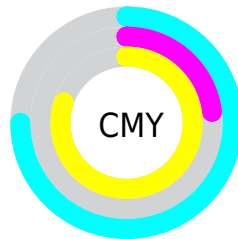
- Red (25%)
- Green (77%)
- Blue (20%)



- Red (20%)
- Yellow (77%)
- Blue (72%)



- Cyan (68%)
- Magenta (0%)
- Yellow (74%)
- Black (23%)



- Cyan (75%)
- Magenta (23%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 40C533 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 40C533 by changing the saturation by 10% instead.



 40C533

 40C533

FFFFFF

 0EA910

 81FF6B

 008E00

 9FFF86

 007300


 BDFFA2

 005900

 DBFFBE

 004000

 FAFFDB

 002900

 FFFFF8

 000200

 000000

 40C533

 40C533

 2EC51F

 52C547

 1CC50C

 64C55A

 12C500

 76C56E

 88C582

 9AC596

 ACC5A9

 BEC5BD

 D0C5D1

 E2C5E4

# Harmonies

## Analogous

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



A6B600



40C533



00CD85

# Triad

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



40C533



00BFFF



FF5685

# Complementary

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



40C533



B833C5

# 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.



FF5BD3



40C533



48A7FF

# Square

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



40C533



00CCFF



E481FF



FF783B

# Rectangle

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



40C533



00CFBB



E481FF



FF529F

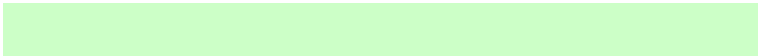


# Sweetspot

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



40C533



CCFFC7



C5B633



61805E



000000



808080



# Same Dimension

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



40C533



30FF1C



33C56D



5A635A



0FA300



032400



# Inverse Universe

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



B833C5



EB1CFF



C5338B



635A63



9500A3

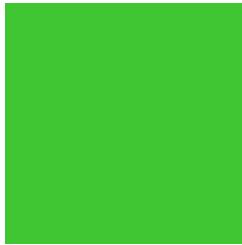


210024



# Previews

## White Background



This preview shows how the Hex color 40C533 looks on a white background.

## Color Contrast Check

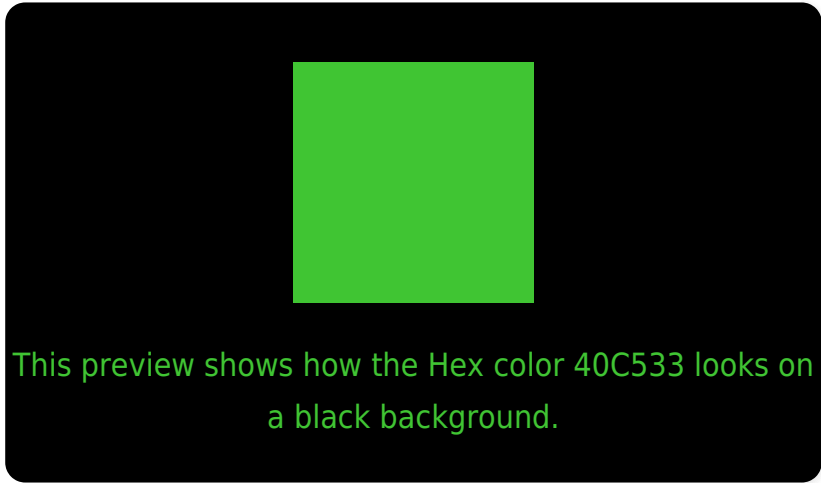
Large Text (above 18pt) WCAG AA × Fail

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

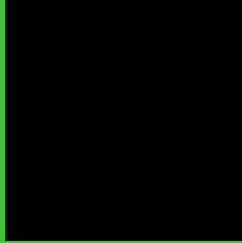
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 40C533 Background



This preview shows how black text looks on a background with the Hex color 40C533.

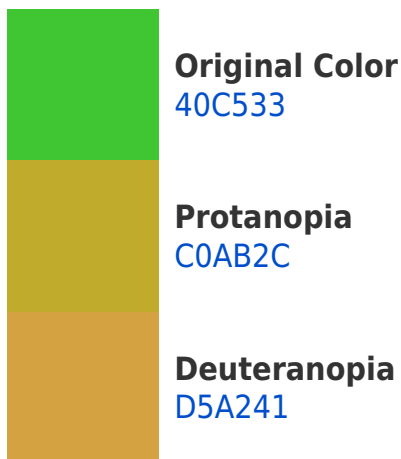


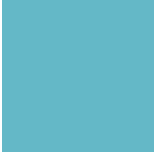
This preview shows how white text looks on a background with the Hex color 40C533.

# 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](#).

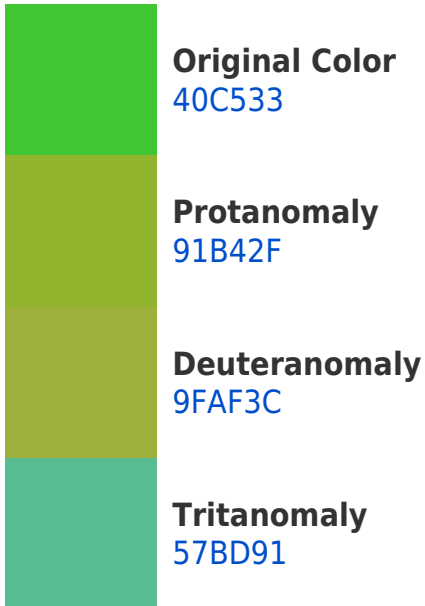
## Dichromacy



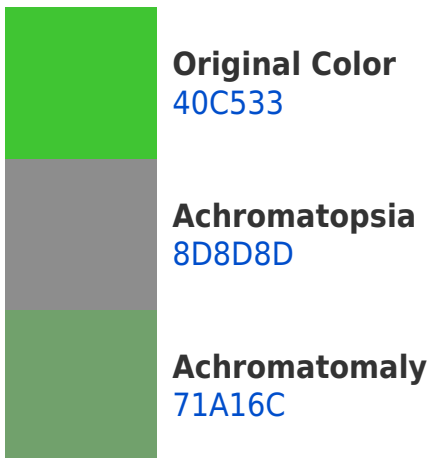


**Tritanopia**  
64B8C7

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 40C533 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 #40C533 looks like.

```
.text, #text, p{  
    color:#40C533  
}
```

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 #40C533 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #40C533
}
```

## Border

The CSS property to change the border of an element to Hex 40C533 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
#40C533 }
```

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

```
.border{ border-color:#40C533 }
```

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

Here you see how a box with a 4 pixel #40C533 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #40C533; -webkit-box-shadow:4px 4px  
4px 4px #40C533; box-shadow:4px 4px 4px  
4px #40C533 }
```

# Background

The CSS property to change the background color of an element to Hex 40C533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#40C533 }
```

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

```
.background{ background-color:#40C533 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor