

# Converting Colors

Hex(37A452)

Have a look what the booklet for  
Hex(37A452) contains.

<b>Hex(37A452)</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(37A452)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	37A452
RGB	55, 164, 82
RGB Percent	22%, 64%, 32%
CMY	0.7843, 0.3569, 0.6784
CMYK	0.66, 0.00, 0.50, 0.36
HSL	135°, 50%, 43%
HSV	135°, 66%, 64%
XYZ	16.3740, 27.9723, 12.5188
YIQ	122.0610, -38.6420, -48.6100

# Conversions

## Conversions Part 2

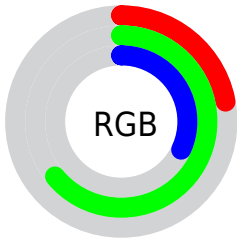
Format	Color
<a href="#">RYB</a>	<a href="#">55, 142, 164</a>
Decimal	<a href="#">3646546</a>
CIELab	<a href="#">59.86, -48.79, 33.55</a>
CIELCh	<a href="#">60, 59.208, 145.486</a>
Yxy	<a href="#">27.9723, 0.2879, 0.4919</a>
Android (android.graphics.Color)	<a href="#">4281836626 (0xFF37A452)</a>
YUV	<a href="#">122.0610, -19.7501, -58.8125</a>
Hunter-Lab	<a href="#">52.8889, -37.2933, 22.9882</a>

# Details

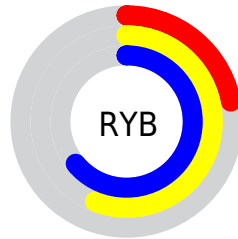
The Hex color **37A452** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **A43789**, and the grayscale version is **7A7A7A**.

A 20% lighter version of the original color is **72DC85**, and **006F22** is the 20% darker color. If you saturate the color by 10%, you get **27A446**, and if you desaturate by 10%, it is **47A45E**.

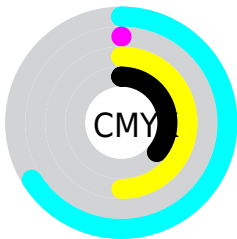
# Distribution



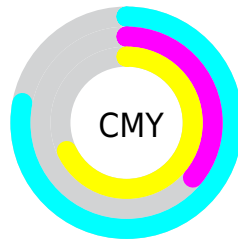
- Red (22%)
- Green (64%)
- Blue (32%)



- Red (22%)
- Yellow (56%)
- Blue (64%)



- Cyan (66%)
- Magenta (0%)
- Yellow (50%)
- Black (36%)



- Cyan (78%)
- Magenta (36%)
- Yellow (68%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 37A452 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 37A452 by changing the saturation by 10% instead.



 37A452

 37A452

FFFFFF

 0D893A

 72DC85

 006F22

 8FF9A0

 005608

 ACFFBB

 003D00

 C9FFD7

 002800

 E6FFF4

 000000

 37A452

 37A452

 27A446

 47A45E

 16A439

 58A46B

06A42D

68A477

00A429

79A483

89A490

99A49C

AAA4A8

BAA4B5

CBA4C1

# Harmonies

## Analogous

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



809A28



37A452



00A986

# Triad

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



37A452



0099F8



ED6367

# Complementary

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



37A452



A43789

# 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.



E95F9A



37A452



8286EF

# Square

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



37A452



00A4E5



C86FCC



D8763A

# Rectangle

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



37A452



00A9AB



C86FCC



EF6077



# Sweetspot

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



37A452



ABD6B6



8BA437



516B58



EBEBEB



6B6B6B



# Same Dimension

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



37A452



2BD655



37A487



49524B



009124



001204



# Inverse Universe

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



A43789



D62BAC



A43754



524950



91006D



12000D



# Previews

## White Background



This preview shows how the Hex color 37A452 looks on a white background.

## Color Contrast Check

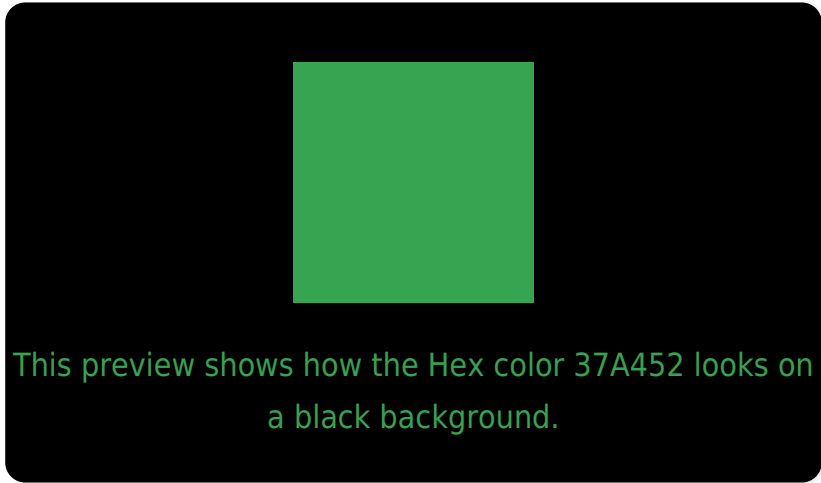
Large Text (above 18pt) WCAG AA ✓ Pass

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 37A452 Background



This preview shows how black text looks on a background with the Hex color 37A452.

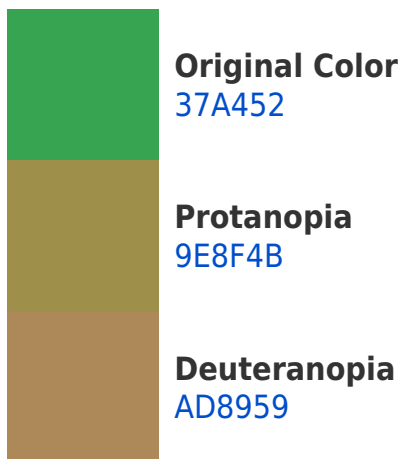


This preview shows how white text looks on a background with the Hex color 37A452.

# 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**  
519BA7

# Trichromacy



**Original Color**

37A452



**Protanomaly**

79974E



**Deuteranomaly**

829356



**Tritanomaly**

489E88

# Monochromacy



**Original Color**

37A452



**Achromatopsia**

7A7A7A



**Achromatomaly**

62896B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 37A452 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 #37A452 looks like.

```
.text, #text, p{  
  color:#37A452  
}
```

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 #37A452 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #37A452
}
```

## Border

The CSS property to change the border of an element to Hex 37A452 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
#37A452 }
```

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

```
.border{ border-color:#37A452 }
```

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

Here you see how a box with a 4 pixel #37A452 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #37A452; -webkit-box-shadow:4px 4px  
4px 4px #37A452; box-shadow:4px 4px 4px  
4px #37A452 }
```

# Background

The CSS property to change the background color of an element to Hex 37A452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#37A452 }
```

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

```
.background{ background-color:#37A452 }
```

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