

# Converting Colors

Hex(37A070)

Have a look what the booklet for  
Hex(37A070) contains.

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**Color**

**Hex(37A070)**

# Conversions

## Conversions Part 1

Format	Color
Hex	37A070
RGB	55, 160, 112
RGB Percent	22%, 63%, 44%
CMY	0.7843, 0.3725, 0.5608
CMYK	0.66, 0.00, 0.30, 0.37
HSL	153°, 49%, 42%
HSV	153°, 66%, 63%
XYZ	17.0710, 27.1237, 19.6649
YIQ	123.1330, -47.1720, -37.1880

# Conversions

## Conversions Part 2

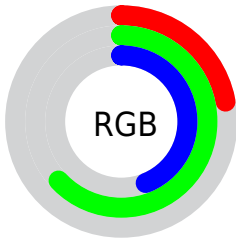
<b>Format</b>	<b>Color</b>
<b>RYB</b>	55, 123, 160
Decimal	3645552
CIELab	59.09, -41.55, 16.41
CIELCh	59, 44.677, 158.448
Yxy	27.1237, 0.2673, 0.4247
Android (android.graphics.Color)	4281835632 (0xFF37A070)
YUV	123.1330, -5.4886, -59.7526
Hunter-Lab	52.0804, -32.6317, 14.0691

# Details

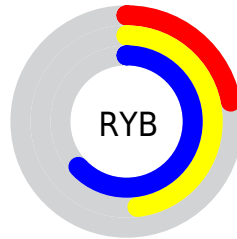
The Hex color **37A070** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **A03767**, and the grayscale version is **7B7B7B**.

A 20% lighter version of the original color is **71D8A4**, and **006B40** is the 20% darker color. If you saturate the color by 10%, you get **27A069**, and if you desaturate by 10%, it is **47A077**.

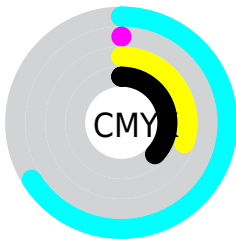
# Distribution



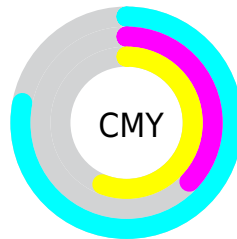
- Red (22%)
- Green (63%)
- Blue (44%)



- Red (22%)
- Yellow (48%)
- Blue (63%)



- Cyan (66%)
- Magenta (0%)
- Yellow (30%)
- Black (37%)



- Cyan (78%)
- Magenta (37%)
- Yellow (56%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 37A070 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 37A070 by changing the saturation by 10% instead.



 37A070

 37A070


FFFFFF

 108557

 71D8A4

 006B40

 8EF4BF

 00522A

 AAFFDB

 003A14

 C7FFF8

 002600

 E4FFFF

 000000

 37A070

 37A070

 27A069

 47A077

 17A061

 57A07F

 07A05A

 67A086

 00A057

 77A08D

 87A095

 97A09C

 A7A0A3

 B7A0AB

 C7A0B2

# Harmonies

## Analogous

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



719A4E



37A070



00A298

# Triad

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



37A070



5F8FDC



D3745F

# Complementary

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



37A070



A03767

# 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.



D86D85



37A070



A080CC

# Square

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



37A070



009AD7



C772AC



BD8245

# Rectangle

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



37A070



00A1B2



C772AC



D6716B



# Sweetspot

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



37A070



A7D1BE



68A037



4F695D



E8E8E8



696969



# Same Dimension

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



37A070



2CD186



379DA0



474F4B



008F4E



000F08



# Inverse Universe

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



A03767



D12C77



A03B37



4F474B



8F0041



0F0007



# Previews

## White Background



This preview shows how the Hex color 37A070 looks on a white background.

## Color Contrast Check

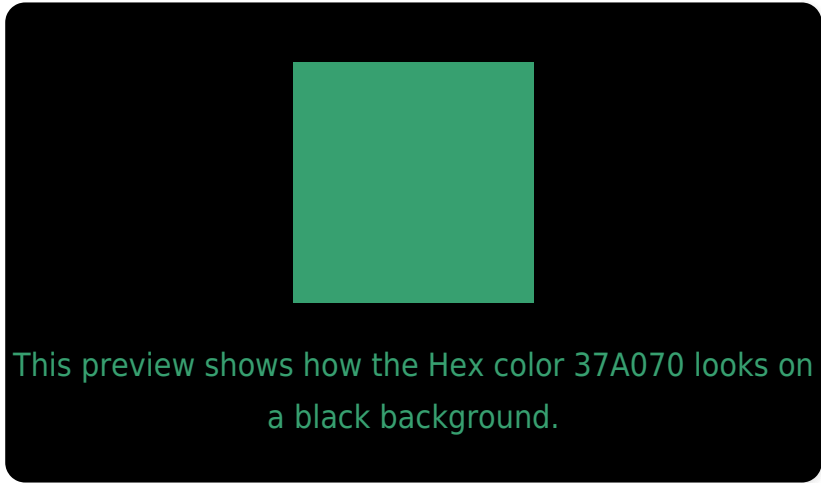
Large Text (above 18pt) WCAG AA ✓ Pass

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

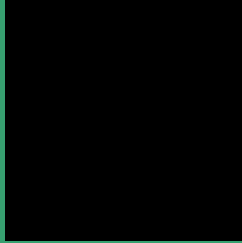
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 37A070 Background



This preview shows how black text looks on a background with the Hex color 37A070.



This preview shows how white text looks on a background with the Hex color 37A070.

# 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**  
4B99A6

# Trichromacy



**Original Color**  
37A070



**Protanomaly**  
75946A



**Deuteranomaly**  
7C9173



**Tritanomaly**  
449C92

# Monochromacy



**Original Color**  
37A070



**Achromatopsia**  
7B7B7B



**Achromatomaly**  
628877

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 37A070 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 #37A070 looks like.

```
.text, #text, p{  
    color:#37A070  
}
```

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 #37A070 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #37A070
}
```

## Border

The CSS property to change the border of an element to Hex 37A070 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
#37A070 }
```

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

```
.border{ border-color:#37A070 }
```

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

Here you see how a box with a 4 pixel #37A070 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #37A070; -webkit-box-shadow:4px 4px  
4px 4px #37A070; box-shadow:4px 4px 4px  
4px #37A070 }
```

# Background

The CSS property to change the background color of an element to Hex 37A070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#37A070 }
```

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

```
.background{ background-color:#37A070 }
```

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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