

# Converting Colors

Hex(337106)

Have a look what the booklet for  
Hex(337106) contains.

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# Color

Hex(337106)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	337106
RGB	51, 113, 6
RGB Percent	20%, 44%, 2%
CMY	0.8000, 0.5569, 0.9765
CMYK	0.55, 0.00, 0.95, 0.56
HSL	95°, 90%, 23%
HSV	95°, 95%, 44%
XYZ	7.3032, 12.5272, 2.2054
YIQ	82.2640, -2.6050, -46.4210

# Conversions

## Conversions Part 2

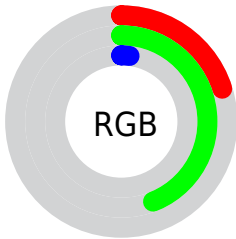
<b>Format</b>	<b>Color</b>
<b>RYB</b>	6, 113, 68
Decimal	3371270
CIELab	42.04, -37.61, 45.55
CIELCh	42, 59.077, 129.546
Yxy	12.5272, 0.3314, 0.5685
Android (android.graphics.Color)	4281561350 (0xFF337106)
YUV	82.2640, -37.5982, -27.4185
Hunter-Lab	35.3938, -25.1070, 21.0813

# Details

The Hex color **337106** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **440671**, and the grayscale version is **535353**.

A 20% lighter version of the original color is **69A540**, and **004000** is the 20% darker color. If you saturate the color by 10%, you get **307100**, and if you desaturate by 10%, it is **3A7111**.

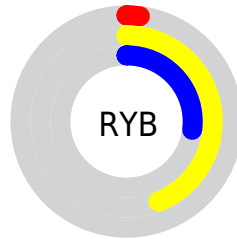
# Distribution



Red (20%)

Green (44%)

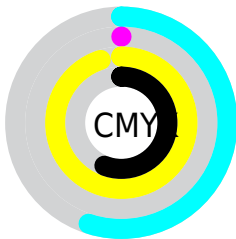
Blue (2%)



Red (2%)

Yellow (44%)

Blue (27%)

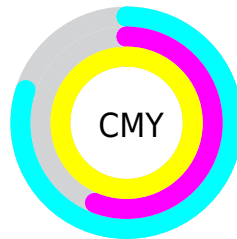


Cyan (55%)

Magenta (0%)

Yellow (95%)

Black (56%)



Cyan (80%)

Magenta (56%)

Yellow (98%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 337106 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 337106 by changing the saturation by 10% instead.



 337106

 337106

FFFFFFE

 155800

 69A540

 004000

 84C159

 002A00

 A0DD73

 000E00

 BCFA8E

 000000

 D9FFA9

 F6FFC5

 FFFFE1

 337106

 337106

■ 307100

■ 3A7111

■ 40711D

■ 477128

■ 4D7133

■ 54713F

■ 5A714A

■ 617155

■ 677160

■ 6E716C

# Harmonies

## Analogous

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



6A6600



337106



00773F

# Triad

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



337106



0072BF



B82A56

# Complementary

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



337106



440671

# 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.



A83486



337106



0064C4

# Square

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



337106



0078A0



774EAF



AF3C27

# Rectangle

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



337106



007861



774EAF



B62A66



# Sweetspot

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



337106



7C946A



714306



3B4A31



C9C9C9



4A4A4A



# Same Dimension

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



337106



3E9400



06710D



353832



327800



68F700



# Inverse Universe

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



440671



560094



71066A



363238



450078



8F00F7



# Previews

## White Background



This preview shows how the Hex color 337106 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 337106 Background



This preview shows how black text looks on a background with the Hex color 337106.



This preview shows how white text looks on a background with the Hex color 337106.

# 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**  
337106

**Protanopia**  
706300

**Deuteranopia**  
7C5E18



**Tritanopia**  
446971

# Trichromacy



**Original Color**  
337106

**Protanomaly**  
5A6802

**Deuteranomaly**  
616511

**Tritanomaly**  
3E6C4A

# Monochromacy



**Original Color**  
337106

**Achromatopsia**  
525252

**Achromatomaly**  
475D36

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 337106 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 #337106 looks like.

```
.text, #text, p{  
    color:#337106  
}
```

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 #337106 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #337106
}
```

## Border

The CSS property to change the border of an element to Hex 337106 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".

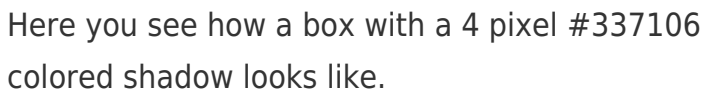
```
.border, #border, table{ border:4px solid
#337106 }
```

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

```
.border{ border-color:#337106 }
```

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

Here you see how a box with a 4 pixel #337106 colored shadow looks like.



```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #337106; -webkit-box-shadow:4px 4px  
4px 4px #337106; box-shadow:4px 4px 4px  
4px #337106 }
```

# Background

The CSS property to change the background color of an element to Hex 337106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#337106 }
```

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

```
.background{ background-color:#337106 }
```

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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