

# Converting Colors

Hex(337B4D)

Have a look what the booklet for  
Hex(337B4D) contains.

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# Color

Hex(337B4D)

# Conversions

## Conversions Part 1

Format	Color
Hex	337B4D
RGB	51, 123, 77
RGB Percent	20%, 48%, 30%
CMY	0.8000, 0.5176, 0.6980
CMYK	0.59, 0.00, 0.37, 0.52
HSL	142°, 41%, 34%
HSV	142°, 59%, 48%
XYZ	9.7878, 15.4055, 9.4789
YIQ	96.2280, -28.1460, -29.5700

# Conversions

## Conversions Part 2

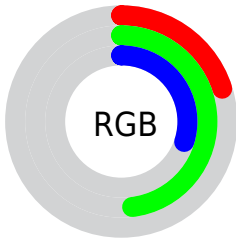
<b>Format</b>	<b>Color</b>
<b>RYB</b>	51, 104, 123
Decimal	3373901
CIELab	46.18, -33.68, 18.58
CIELCh	46, 38.460, 151.120
Yxy	15.4055, 0.2823, 0.4443
Android (android.graphics.Color)	4281563981 (0xFF337B4D)
YUV	96.2280, -9.4794, -39.6650
Hunter-Lab	39.2499, -24.1748, 13.1564

# Details

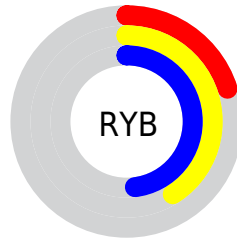
The Hex color **337B4D** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **7B3361**, and the grayscale version is **606060**.

A 20% lighter version of the original color is **68B07E**, and **004920** is the 20% darker color. If you saturate the color by 10%, you get **277B45**, and if you desaturate by 10%, it is **3F7B55**.

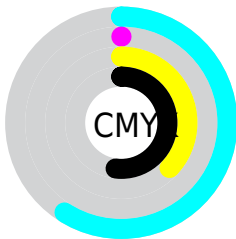
# Distribution



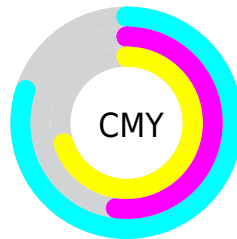
- Red (20%)
- Green (48%)
- Blue (30%)



- Red (20%)
- Yellow (41%)
- Blue (48%)



- Cyan (59%)
- Magenta (0%)
- Yellow (37%)
- Black (52%)



- Cyan (80%)
- Magenta (52%)
- Yellow (70%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 337B4D 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 337B4D by changing the saturation by 10% instead.



 337B4D

 337B4D

FFFFFF

 156236

 68B07E

 004920

 83CC98

 00320A

 9EE8B3

 001E00

 BAFFCF

 000000

 D6FFE8

 F3FFFF

 337B4D

 337B4D

 277B45

 3F7B55

■ 1A7B3D

■ 4C7B5D

■ 0E7B35

■ 587B65

■ 027B2E

■ 647B6C

■ 007B2C

■ 717B74

■ 7D7B7C

■ 897B84

■ 957B8C

■ A27B94

# Harmonies

## Analogous

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



5E7534



337B4D



007E6E

# Triad

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



337B4D



3270AE



A8554E

# Complementary

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



337B4D



7B3361

# 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.



A8526D



337B4D



7164A5

# Square

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



337B4D



0079A5



96588D



996035

# Rectangle

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



337B4D



007D84



96588D



AA5358



# Sweetspot

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



337B4D



84A18E



627B33



405246



D1D1D1



525252



# Same Dimension

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



337B4D



30A159



337B70



373D39



007D2D



00FC5B



# Inverse Universe

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



7B3361



A13078



7B333E



3D373B



7D0050



FC00A1



# Previews

## White Background



This preview shows how the Hex color 337B4D looks on a white background.

## Color Contrast Check

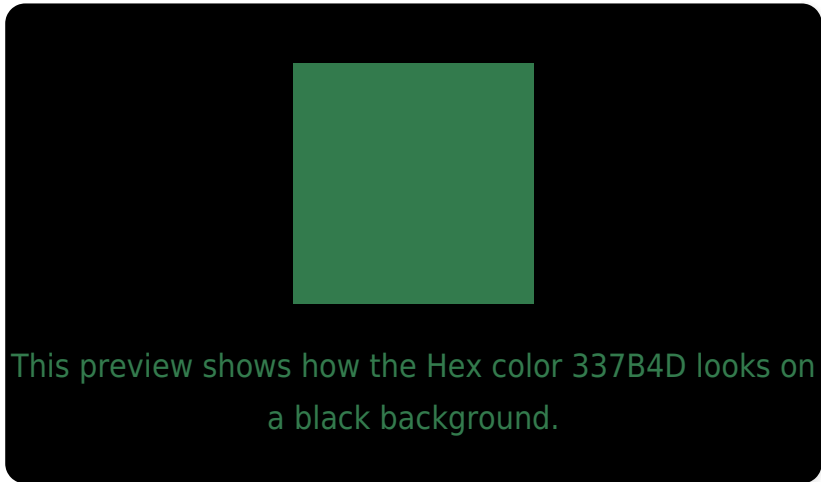
Large Text (above 18pt) WCAG AA ✓ Pass

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

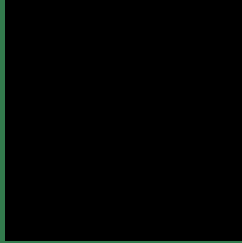
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 337B4D Background



This preview shows how black text looks on a background with the Hex color 337B4D.



This preview shows how white text looks on a background with the Hex color 337B4D.

# 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**  
337B4D

**Protanopia**  
766D47

**Deuteranopia**  
806851



**Tritanopia**  
41757E

# Trichromacy



**Original Color**  
337B4D

**Protanomaly**  
5E7249

**Deuteranomaly**  
646F50

**Tritanomaly**  
3C776C

# Monochromacy



**Original Color**  
337B4D

**Achromatopsia**  
606060

**Achromatomaly**  
506A59

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 337B4D 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 #337B4D looks like.

```
.text, #text, p{  
    color:#337B4D  
}
```

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 #337B4D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #337B4D
}
```

## Border

The CSS property to change the border of an element to Hex 337B4D 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
#337B4D }
```

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

```
.border{ border-color:#337B4D }
```

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

Here you see how a box with a 4 pixel #337B4D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #337B4D; -webkit-box-shadow:4px 4px  
4px 4px #337B4D; box-shadow:4px 4px 4px  
4px #337B4D }
```

# Background

The CSS property to change the background color of an element to Hex 337B4D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#337B4D }
```

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

```
.background{ background-color:#337B4D }
```

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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