

# Converting Colors

Hex(327E45)

Have a look what the booklet for  
Hex(327E45) contains.

<b>Hex(327E45)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

Hex(327E45)

# Conversions

## Conversions Part 1

Format	Color
Hex	327E45
RGB	50, 126, 69
RGB Percent	20%, 49%, 27%
CMY	0.8039, 0.5059, 0.7294
CMYK	0.60, 0.00, 0.45, 0.51
HSL	135°, 43%, 35%
HSV	135°, 60%, 49%
XYZ	9.8504, 16.0295, 8.2051
YIQ	96.7780, -26.9990, -33.8390

# Conversions

## Conversions Part 2

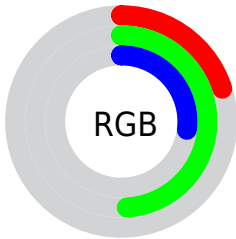
<b>Format</b>	<b>Color</b>
<b>RYB</b>	50, 111, 126
Decimal	3309125
CIELab	47.01, -36.75, 24.17
CIELCh	47, 43.983, 146.670
Yxy	16.0295, 0.2890, 0.4703
Android (android.graphics.Color)	4281499205 (0xFF327E45)
YUV	96.7780, -13.6946, -41.0243
Hunter-Lab	40.0368, -26.1474, 15.8750

# Details

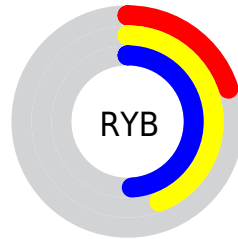
The Hex color **327E45** is a dark color, and the websafe version is hex **006633**. A complement of this color would be **7E326B**, and the grayscale version is **616161**.

A 20% lighter version of the original color is **68B376**, and **004C18** is the 20% darker color. If you saturate the color by 10%, you get **257E3C**, and if you desaturate by 10%, it is **3F7E4E**.

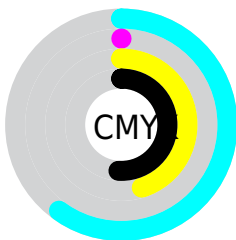
# Distribution



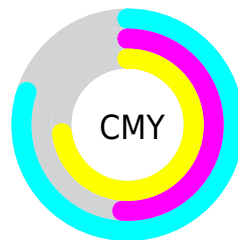
- Red (20%)
- Green (49%)
- Blue (27%)



- Red (20%)
- Yellow (44%)
- Blue (49%)



- Cyan (60%)
- Magenta (0%)
- Yellow (45%)
- Black (51%)



- Cyan (80%)
- Magenta (51%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 327E45 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 327E45 by changing the saturation by 10% instead.





327E45



327E45

FFFFFF



13652E



68B376



004C18



83CF90



003400



9EECAB



002000



BAFFC6



000000



D7FFE2



F4FFFF



327E45



327E45



257E3C



3F7E4E

■ 197E32

■ 4B7E58

■ 0C7E29

■ 587E61

■ 007E20

■ 647E6B

■ 717E74

■ 7E7E7E

■ 8A7E87

■ 977E91

■ A37E9A

# Harmonies

## Analogous

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



637729



327E45



00816A

# Triad

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



327E45



0075B9



B25150

# Complementary

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



327E45



7E326B

# 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.



B04E75



327E45



6A67B2

# Square

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



327E45



007DAD



995899



A35E32

# Rectangle

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



327E45



008284



995899



B44F5C



# Sweetspot

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



327E45



86A38D



6B7E32



405244



D1D1D1



525252



# Same Dimension

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



327E45



2EA34B



327E6B



39403B



008020



000000



# Inverse Universe

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



7E326B



A32E86



7E3245



40393E



800060



000000



# Previews

## White Background



This preview shows how the Hex color 327E45 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

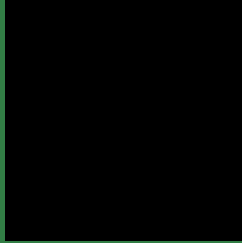
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 327E45 Background



This preview shows how black text looks on a background with the Hex color 327E45.



This preview shows how white text looks on a background with the Hex color 327E45.

# 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**  
327E45

**Protanopia**  
7A6F3F

**Deuteranopia**  
856A4A



**Tritanopia**  
437781

# Trichromacy



**Original Color**  
327E45

**Protanomaly**  
607441

**Deuteranomaly**  
677148

**Tritanomaly**  
3D7A6B

# Monochromacy



**Original Color**  
327E45

**Achromatopsia**  
616161

**Achromatomaly**  
506C57

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 327E45 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 #327E45 looks like.

```
.text, #text, p{  
    color:#327E45  
}
```

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 #327E45 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #327E45
}
```

## Border

The CSS property to change the border of an element to Hex 327E45 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
#327E45 }
```

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

```
.border{ border-color:#327E45 }
```

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

Here you see how a box with a 4 pixel #327E45 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #327E45; -webkit-box-shadow:4px 4px  
4px 4px #327E45; box-shadow:4px 4px 4px  
4px #327E45 }
```

# Background

The CSS property to change the background color of an element to Hex 327E45 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#327E45 }
```

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

```
.background{ background-color:#327E45 }
```

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