

# Converting Colors

Hex(304E4D)

Have a look what the booklet for  
Hex(304E4D) contains.

<b>Hex(304E4D)</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(304E4D)**

# Conversions

## Conversions Part 1

Format	Color
Hex	304E4D
RGB	48, 78, 77
RGB Percent	19%, 31%, 30%
CMY	0.8118, 0.6941, 0.6980
CMYK	0.38, 0.00, 0.01, 0.69
HSL	178°, 24%, 25%
HSV	178°, 38%, 31%
XYZ	5.2829, 6.6130, 8.0192
YIQ	68.9160, -17.5590, -6.6710

# Conversions

## Conversions Part 2

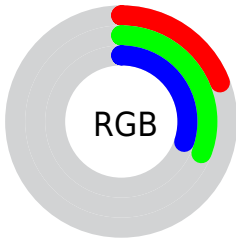
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	48, 63, 78
Decimal	3165773
CIE <sub>Lab</sub>	30.91, -11.38, -2.96
CIE <sub>LCh</sub>	31, 11.757, 194.563
Yxy	6.6130, 0.2653, 0.3321
Android (android.graphics.Color)	4281355853 (0xFF304E4D)
YUV	68.9160, 3.9854, -18.3433
Hunter-Lab	25.7157, -8.3326, -0.4880

# Details

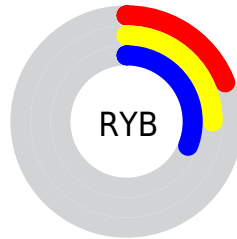
The Hex color **304E4D** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **4E3031**, and the grayscale version is **454545**.

A 20% lighter version of the original color is **607F7E**, and **032221** is the 20% darker color. If you saturate the color by 10%, you get **284E4D**, and if you desaturate by 10%, it is **384E4D**.

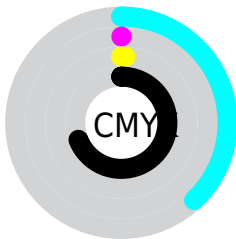
# Distribution



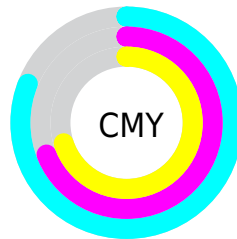
- Red (19%)
- Green (31%)
- Blue (30%)



- Red (19%)
- Yellow (25%)
- Blue (31%)



- Cyan (38%)
- Magenta (0%)
- Yellow (1%)
- Black (69%)



- Cyan (81%)
- Magenta (69%)
- Yellow (70%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 304E4D 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 304E4D by changing the saturation by 10% instead.



■ 304E4D

■ 304E4D

FFFFFF

■ 193736

■ 607F7E

■ 032221

■ 799998

■ 00070A

■ 93B4B2

■ 000000

■ AECFCE

■ CAECEA

■ E6FFFF

■ 304E4D

■ 304E4D

■ 284E4D

■ 384E4D

■ 204E4C

■ 404E4E

■ 194E4C

■ 474E4E

■ 114E4C

■ 4F4E4E

■ 094E4C

■ 574E4E

■ 014E4B

■ 5F4E4F

■ 004E4B

■ 674E4F

■ 6E4E4F

■ 764E4F

# Harmonies

## Analogous

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



374E44



304E4D



304D55

# Triad

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



304E4D



504556



544737

# Complementary

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



304E4D



4E3031

# 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.



5A443C



304E4D



58434E

# Square

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



304E4D



44485A



5C4245



4B4A37

# Rectangle

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



304E4D



354C59



5C4245



564638



# Sweetspot

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



304E4D



5A6666



314E30



2C3333



B3B3B3



333333



# Same Dimension

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



304E4D



376664



30414E



222626



006663



00E6DE



# Inverse Universe

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



4E3031



663739



4E3E30



262223



660003



E60008



# Previews

## White Background



This preview shows how the Hex color 304E4D looks on a white background.

## Color Contrast Check

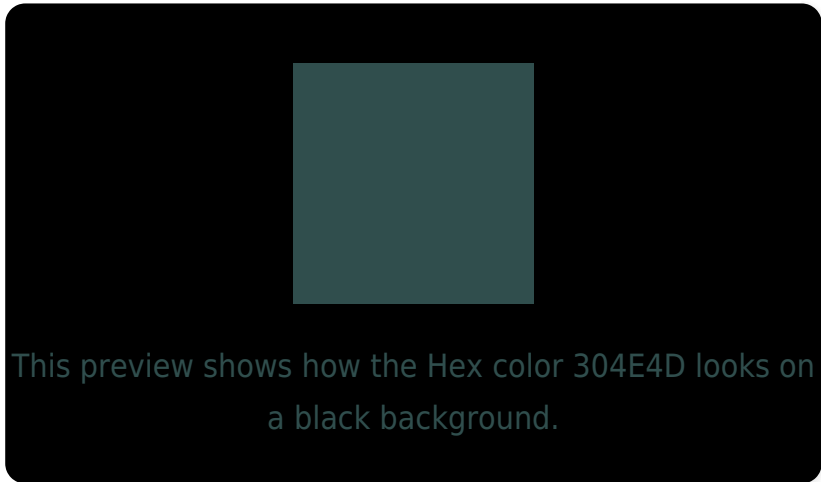
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

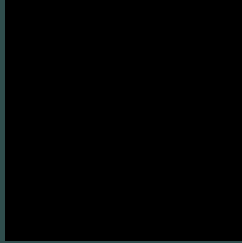
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 304E4D Background



This preview shows how black text looks on a background with the Hex color 304E4D.

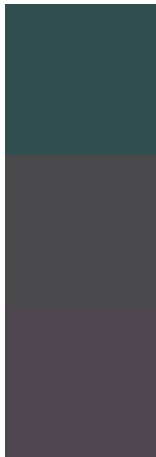


This preview shows how white text looks on a background with the Hex color 304E4D.

# 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**  
304E4D

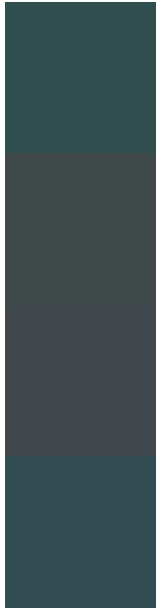
**Protanopia**  
49484A

**Deuteranopia**  
4D464F



**Tritanopia**  
324D53

# Trichromacy



**Original Color**  
304E4D

**Protanomaly**  
404A4B

**Deuteranomaly**  
42494E

**Tritanomaly**  
314D51

# Monochromacy



**Original Color**  
304E4D

**Achromatopsia**  
454545

**Achromatomaly**  
3D4848

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 304E4D 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 #304E4D looks like.

```
.text, #text, p{  
    color:#304E4D  
}
```

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 #304E4D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #304E4D
}
```

## Border

The CSS property to change the border of an element to Hex 304E4D 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
#304E4D }
```

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

```
.border{ border-color:#304E4D }
```

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

Here you see how a box with a 4 pixel #304E4D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #304E4D; -webkit-box-shadow:4px 4px  
4px 4px #304E4D; box-shadow:4px 4px 4px  
4px #304E4D }
```

# Background

The CSS property to change the background color of an element to Hex 304E4D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#304E4D }
```

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

```
.background{ background-color:#304E4D }
```

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