

# Converting Colors

Hex(3D4E4E)

Have a look what the booklet for  
Hex(3D4E4E) contains.

<b>Hex(3D4E4E)</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(3D4E4E)**

# Conversions

## Conversions Part 1

Format	Color
Hex	3D4E4E
RGB	61, 78, 78
RGB Percent	24%, 31%, 31%
CMY	0.7608, 0.6941, 0.6941
CMYK	0.22, 0.00, 0.00, 0.69
HSL	180°, 12%, 27%
HSV	180°, 22%, 31%
XYZ	6.0240, 6.9909, 8.2396
YIQ	72.9170, -10.1320, -3.6040

# Conversions

## Conversions Part 2

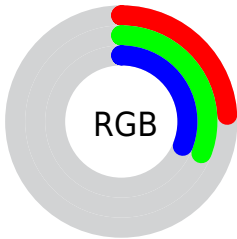
<b>Format</b>	<b>Color</b>
<b>RYB</b>	61, 70, 78
Decimal	4017742
CIELab	31.79, -6.62, -2.21
CIELCh	32, 6.981, 198.412
Yxy	6.9909, 0.2834, 0.3289
Android (android.graphics.Color)	4282207822 (0xFF3D4E4E)
YUV	72.9170, 2.5059, -10.4512
Hunter-Lab	26.4404, -5.6024, 0.0317

# Details

The Hex color **3D4E4E** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **4E3D3D**, and the grayscale version is **494949**.

A 20% lighter version of the original color is **6D7F7F**, and **122222** is the 20% darker color. If you saturate the color by 10%, you get **354E4E**, and if you desaturate by 10%, it is **454E4E**.

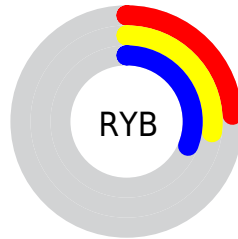
# Distribution



Red (24%)

Green (31%)

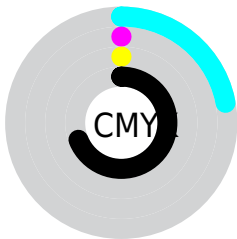
Blue (31%)



Red (24%)

Yellow (27%)

Blue (31%)

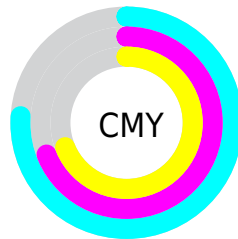


Cyan (22%)

Magenta (0%)

Yellow (0%)

Black (69%)



Cyan (76%)

Magenta (69%)

Yellow (69%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3D4E4E 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 3D4E4E by changing the saturation by 10% instead.





3D4E4E



3D4E4E

FFFFFF



273737



6D7F7F



122222



869999



000C0C



A1B4B4



000000



BCCFCF



D7ECEB



F4FFFF



3D4E4E



3D4E4E



354E4E



454E4E

■ 2D4E4E

■ 4D4E4E

■ 264E4E

■ 544E4E

■ 1E4E4E

■ 5C4E4E

■ 164E4E

■ 644E4E

■ 0E4E4E

■ 6C4E4E

■ 064E4E

■ 744E4E

■ 004E4E

■ 7B4E4E

■ 834E4E

# Harmonies

## Analogous

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



404E48



3D4E4E



3E4D53

# Triad

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



3D4E4E



504852



514A40

# Complementary

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



3D4E4E



4E3D3D

# 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.



554843



3D4E4E



55474D

# Square

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



3D4E4E



494A55



574748



4C4B40

# Rectangle

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



3D4E4E



414C55



574748



534941



# Sweetspot

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



3D4E4E



5F6666



3D4E3D



2F3333



B3B3B3



333333



# Same Dimension

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



3D4E4E



4B6666



3D464E



222626



006666



00E6E6



# Inverse Universe

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



4E3D4E



664B66



4E463D



262226



660066



E600E6



# Previews

## White Background



This preview shows how the Hex color 3D4E4E looks on a white background.

## Color Contrast Check

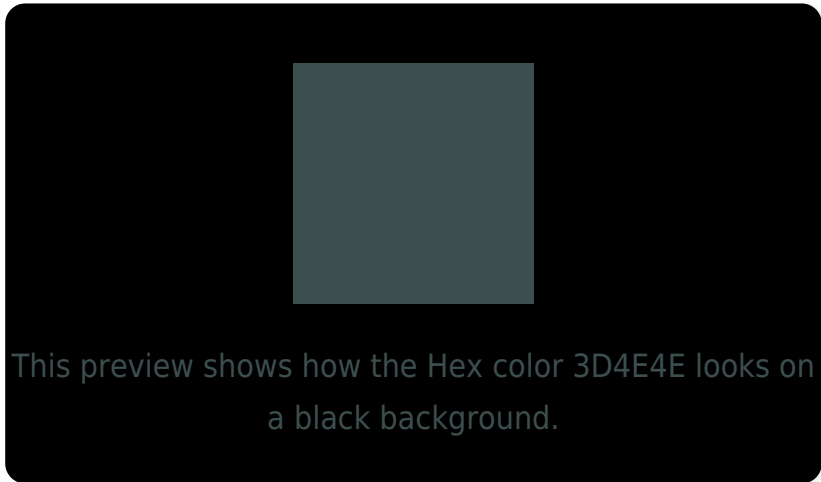
Large Text (above 18pt) WCAG AA ✓ Pass

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

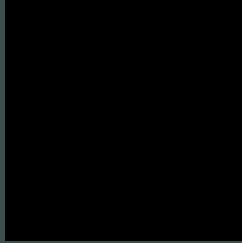
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 3D4E4E Background



This preview shows how black text looks on a background with the Hex color 3D4E4E.



This preview shows how white text looks on a background with the Hex color 3D4E4E.

# 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**  
3D4E4E

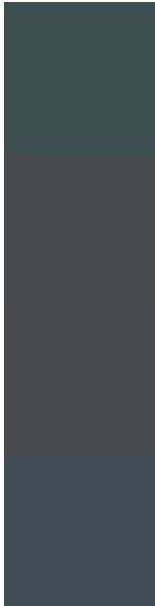
**Protanopia**  
4C4A4C

**Deuteranopia**  
50484F



**Tritanopia**  
3E4D53

# Trichromacy



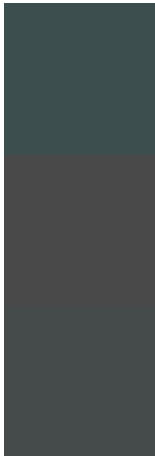
**Original Color**  
3D4E4E

**Protanomaly**  
474B4D

**Deuteranomaly**  
494A4F

**Tritanomaly**  
3E4D51

# Monochromacy



**Original Color**  
3D4E4E

**Achromatopsia**  
494949

**Achromatomaly**  
454B4B

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3D4E4E 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 #3D4E4E looks like.

```
.text, #text, p{  
    color:#3D4E4E  
}
```

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 #3D4E4E colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3D4E4E
}
```

## Border

The CSS property to change the border of an element to Hex 3D4E4E is called "border". The border property can be set on classes, ids or directly on the HTML element.

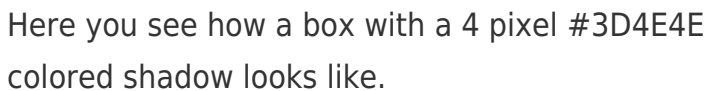
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#3D4E4E }
```

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

```
.border{ border-color:#3D4E4E }
```

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

A rectangular box with a 4-pixel blue shadow. The box is white with a thin black border. The shadow is a solid blue color (#3D4E4E) and is applied to the bottom and right sides of the box, creating a 3D effect. The shadow is 4 pixels wide and 4 pixels high.

Here you see how a box with a 4 pixel #3D4E4E colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3D4E4E; -webkit-box-shadow:4px 4px  
4px 4px #3D4E4E; box-shadow:4px 4px 4px  
4px #3D4E4E }
```

# Background

The CSS property to change the background color of an element to Hex 3D4E4E is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3D4E4E }
```

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

```
.background{ background-color:#3D4E4E }
```

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