

# Converting Colors

Hex(464D47)

Have a look what the booklet for  
Hex(464D47) contains.

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# Color

**Hex(464D47)**

# Conversions

Conversions Part 1	
Format	Color
Hex	464D47
RGB	70, 77, 71
RGB Percent	27%, 30%, 28%
CMY	0.7255, 0.6980, 0.7216
CMYK	0.09, 0.00, 0.08, 0.70
HSL	129°, 5%, 29%
HSV	129°, 9%, 30%
XYZ	6.3170, 7.0648, 6.9919
YIQ	74.2230, -2.2460, -3.3500

# Conversions

## Conversions Part 2

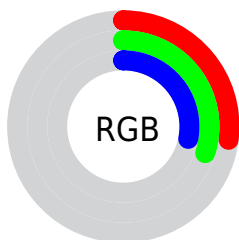
Format	Color
<a href="#">RYB</a>	<a href="#">70, 76, 77</a>
Decimal	<a href="#">4607303</a>
CIELab	<a href="#">31.95, -4.17, 2.59</a>
CIELCh	<a href="#">32, 4.905, 148.133</a>
Yxy	<a href="#">7.0648, 0.3101, 0.3468</a>
Android (android.graphics.Color)	<a href="#">4282797383</a> (0xFF464D47)
YUV	<a href="#">74.2230, -1.5889, -3.7036</a>
Hunter-Lab	<a href="#">26.5796, -4.0916, 3.0092</a>

# Details

The Hex color **464D47** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **4D464C**, and the grayscale version is **4A4A4A**.

A 20% lighter version of the original color is **767E77**, and **1B211C** is the 20% darker color. If you saturate the color by 10%, you get **3E4D40**, and if you desaturate by 10%, it is **4E4D4E**.

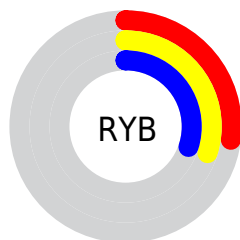
# Distribution



Red (27%)

Green (30%)

Blue (28%)



Red (27%)

Yellow (30%)

Blue (30%)

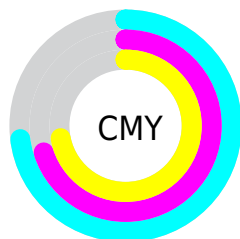


Cyan (9%)

Magenta (0%)

Yellow (8%)

Black (70%)



Cyan (73%)

Magenta (70%)

Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 464D47 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 464D47 by changing the saturation by 10% instead.



 464D47

 464D47

FFFFFF

 303631

 767E77

 1B211C

 909891

 000A01

 AAB3AB

 000000

 C6CEC7

 E2EAE3

FEFFFF

 464D47

 464D47

 3E4D40

 4E4D4E

 374D3A 554D54 2F4D33 5D4D5B 274D2D 654D61 204D26 6D4D68 184D1F 744D6F 104D19 7C4D75 084D12 844D7C 014D0C 8B4D82

# Harmonies

## Analogous

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



4A4C44



464D47



434D4B

# Triad

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



464D47



474C53



544948

# Complementary

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



464D47



4D464C

# 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.



53494C



464D47



4C4A52

# Square

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



464D47



434D52



50494F



524A45

# Rectangle

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



464D47



424D4D



50494F



544949



# Sweetspot

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



464D47



606361



4C4D46



313331



B3B3B3



333333



# Same Dimension

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



464D47



59635A



464D4A



222623



00660F



00E621



# Inverse Universe

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



4D464C



635962



4D4649



262226



660057



E600C5



# Previews

## White Background



This preview shows how the Hex color 464D47 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



This preview shows how the Hex color 464D47 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

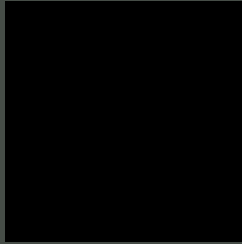
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 464D47 Background



This preview shows how black text looks on a background with the Hex color 464D47.



This preview shows how white text looks on a background with the Hex color 464D47.

# 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**

464D47

**Protanopia**

4E4B46

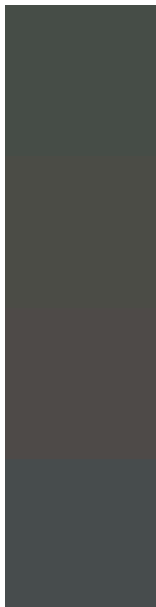
**Deuteranopia**

534948



**Tritanopia**  
484B51

# Trichromacy



**Original Color**

464D47

**Protanomaly**

4B4C46

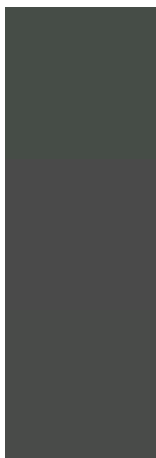
**Deuteranomaly**

4E4A48

**Tritanomaly**

474C4D

# Monochromacy



**Original Color**

464D47

**Achromatopsia**

4A4A4A

**Achromatomaly**

494B49

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 464D47 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 #464D47 looks like.

```
.text, #text, p{  
    color:#464D47  
}
```

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 #464D47 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #464D47
}
```

## Border

The CSS property to change the border of an element to Hex 464D47 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
#464D47 }
```

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

```
.border{ border-color:#464D47 }
```

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

Here you see how a box with a 4 pixel #464D47 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #464D47; -webkit-box-shadow:4px 4px  
4px 4px #464D47; box-shadow:4px 4px 4px  
4px #464D47 }
```

# Background

The CSS property to change the background color of an element to Hex 464D47 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#464D47 }
```

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

```
.background{ background-color:#464D47 }
```

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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