

# Converting Colors

Hex(464B51)

Have a look what the booklet for  
Hex(464B51) contains.

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# Color

**Hex(464B51)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	464B51
RGB	70, 75, 81
RGB Percent	27%, 29%, 32%
CMY	0.7255, 0.7059, 0.6824
CMYK	0.14, 0.07, 0.00, 0.68
HSL	213°, 7%, 30%
HSV	213°, 14%, 32%
XYZ	6.5271, 6.9283, 8.7779
YIQ	74.1890, -4.9060, 0.8060

# Conversions

## Conversions Part 2

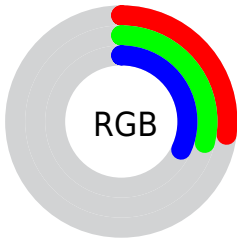
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	70, 73, 81
Decimal	4606801
CIE Lab	31.64, -0.61, -4.26
CIE LCh	32, 4.298, 261.898
Yxy	6.9283, 0.2936, 0.3116
Android (android.graphics.Color)	4282796881 (0xFF464B51)
YUV	74.1890, 3.3578, -3.6738
Hunter-Lab	26.3217, -1.7999, -1.3471

# Details

The Hex color **464B51** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **514C46**, and the grayscale version is **4A4A4A**.

A 20% lighter version of the original color is **767C82**, and **1B1F25** is the 20% darker color. If you saturate the color by 10%, you get **3E4751**, and if you desaturate by 10%, it is **4E4F51**.

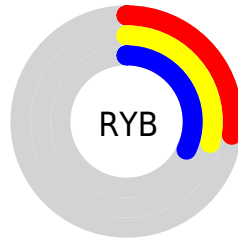
# Distribution



 Red (27%)

 Green (29%)

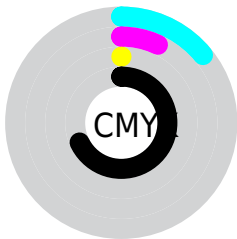
 Blue (32%)



 Red (27%)

 Yellow (29%)

 Blue (32%)

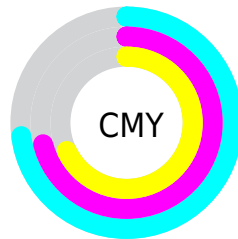


 Cyan (14%)

 Magenta (7%)

 Yellow (0%)

 Black (68%)



 Cyan (73%)

 Magenta (71%)

 Yellow (68%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 464B51 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 464B51 by changing the saturation by 10% instead.



■ 464B51

■ 464B51

FFFFFF

■ 30343A

■ 767C82

■ 1B1F25

■ 90959C

■ 00070F

■ AAB0B7

■ 000000

■ C6CCD3

■ E2E8EF

FEFFFF

■ 464B51

■ 464B51

■ 3E4751

■ 4E4F51

■ 364251

■ 565451

■ 2E3E51

■ 5E5851

■ 263951

■ 665D51

■ 1E3551

■ 6F6151

■ 153051

■ 776651

■ 0D2C51

■ 7F6A51

■ 052851

■ 876E51

■ 002551

■ 8F7351

# Harmonies

## Analogous

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



434C50



464B51



4A4A51

# Triad

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



464B51



524848



474C46

# Complementary

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



464B51



514C46

# 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.



4B4B44



464B51



514945

# Square

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



464B51



51484B



4E4A44



444C49

# Rectangle

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



464B51



4D494F



4E4A44



484C45



# Sweetspot

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



464B51



646669



46514C



333436



B5B5B5



363636



# Same Dimension

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



464B51



585F69



464651



252729



003069



0069E8



# Inverse Universe

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



51464B



69585F



515146



292527



690030

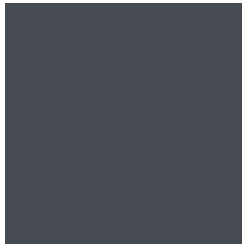


E80069



# Previews

## White Background



This preview shows how the Hex color 464B51 looks on a white background.

## Color Contrast Check

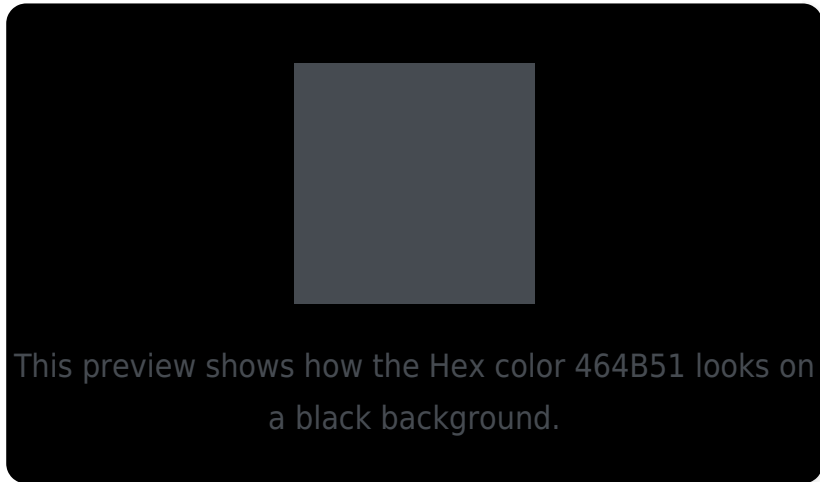
Large Text (above 18pt) WCAG AA ✓ Pass

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

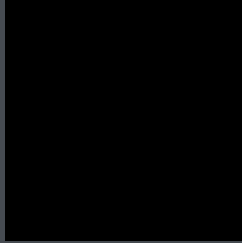
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

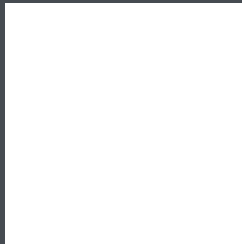
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 464B51 Background



This preview shows how black text looks on a background with the Hex color 464B51.

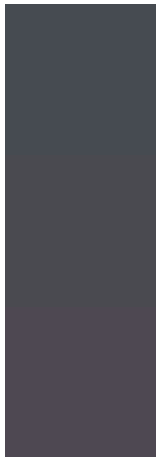


This preview shows how white text looks on a background with the Hex color 464B51.

# 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**  
464B51

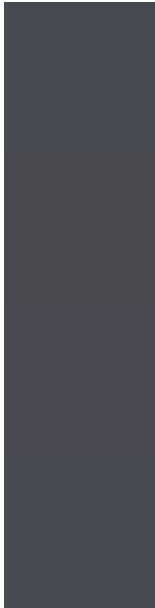
**Protanopia**  
4A4A50

**Deuteranopia**  
4E4852



**Tritanopia**  
464B51

# Trichromacy



**Original Color**

464B51

**Protanomaly**

494A50

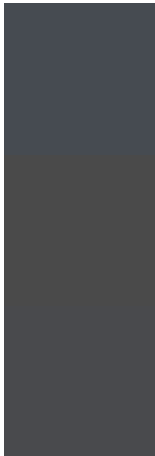
**Deuteranomaly**

4B4952

**Tritanomaly**

464B51

# Monochromacy



**Original Color**

464B51

**Achromatopsia**

4A4A4A

**Achromatomaly**

494A4D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 464B51 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 #464B51 looks like.

```
.text, #text, p{  
    color:#464B51  
}
```

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 #464B51 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #464B51
}
```

## Border

The CSS property to change the border of an element to Hex 464B51 is called "border". The border property can be set on classes, ids or directly on the HTML element.

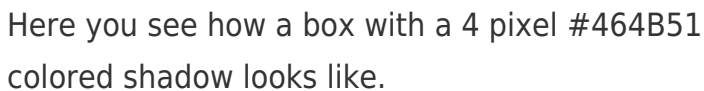
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#464B51 }
```

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

```
.border{ border-color:#464B51 }
```

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



Here you see how a box with a 4 pixel #464B51 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #464B51; -webkit-box-shadow:4px 4px  
4px 4px #464B51; box-shadow:4px 4px 4px  
4px #464B51 }
```

# Background

The CSS property to change the background color of an element to Hex 464B51 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#464B51 }
```

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

```
.background{ background-color:#464B51 }
```

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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