

# Converting Colors

Hex(464B52)

Have a look what the booklet for  
Hex(464B52) contains.

<b>Hex(464B52)</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(464B52)

# Conversions

## Conversions Part 1

Format	Color
Hex	464B52
RGB	70, 75, 82
RGB Percent	27%, 29%, 32%
CMY	0.7255, 0.7059, 0.6784
CMYK	0.15, 0.09, 0.00, 0.68
HSL	215°, 8%, 30%
HSV	215°, 15%, 32%
XYZ	6.5649, 6.9434, 8.9769
YIQ	74.3030, -5.2270, 1.1170

# Conversions

## Conversions Part 2

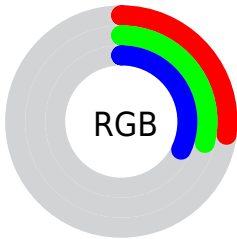
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	70, 74, 82
Decimal	4606802
CIE Lab	31.68, -0.36, -4.84
CIE LCh	32, 4.857, 265.742
Yxy	6.9434, 0.2920, 0.3088
Android (android.graphics.Color)	4282796882 (0xFF464B52)
YUV	74.3030, 3.7946, -3.7737
Hunter-Lab	26.3504, -1.6423, -1.7532

# Details

The Hex color **464B52** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **524D46**, and the grayscale version is **4A4A4A**.

A 20% lighter version of the original color is **767C83**, and **1B1F25** is the 20% darker color. If you saturate the color by 10%, you get **3E4652**, and if you desaturate by 10%, it is **4E5052**.

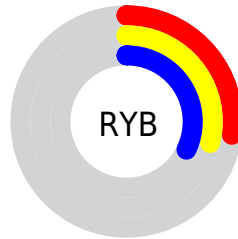
# Distribution



Red (27%)

Green (29%)

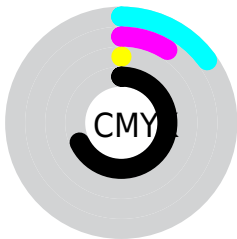
Blue (32%)



Red (27%)

Yellow (29%)

Blue (32%)

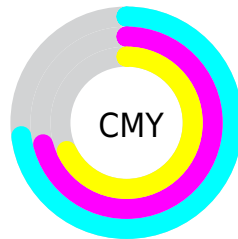


Cyan (15%)

Magenta (9%)

Yellow (0%)

Black (68%)



Cyan (73%)

Magenta (71%)

Yellow (68%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 464B52 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 464B52 by changing the saturation by 10% instead.





464B52



464B52

FFFFFF



30343B



767C83



1B1F25



90959D



000711



ABB0B8



000000



C6CCD4



E2E8F0



464B52



464B52



3E4652



4E5052



364152



565552

■ 2D3D52

■ 5F5952

■ 253852

■ 675E52

■ 1D3352

■ 6F6352

■ 152E52

■ 776852

■ 0D2A52

■ 7F6C52

■ 042552

■ 887152

■ 002252

■ 907652

# Harmonies

## Analogous

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



424C51



464B52



4B4A51

# Triad

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



464B52



534847



464C46

# Complementary

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



464B52



524D46

# 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.



4A4B44



464B52



524944

# Square

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



464B52



52484B



4E4A43



424D4A

# Rectangle

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



464B52



4E4950



4E4A43



474C45



# Sweetspot

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



464B52



67696B



46524D



333436



B5B5B5



363636



# Same Dimension

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



464B52



58606B



474652



252629



002C69



0061E8



# Inverse Universe

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



52464B



6B5860



515246



292526



69002C

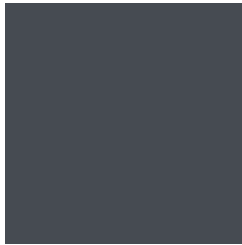


E80061



# Previews

## White Background



This preview shows how the Hex color 464B52 looks on a white background.

## Color Contrast Check

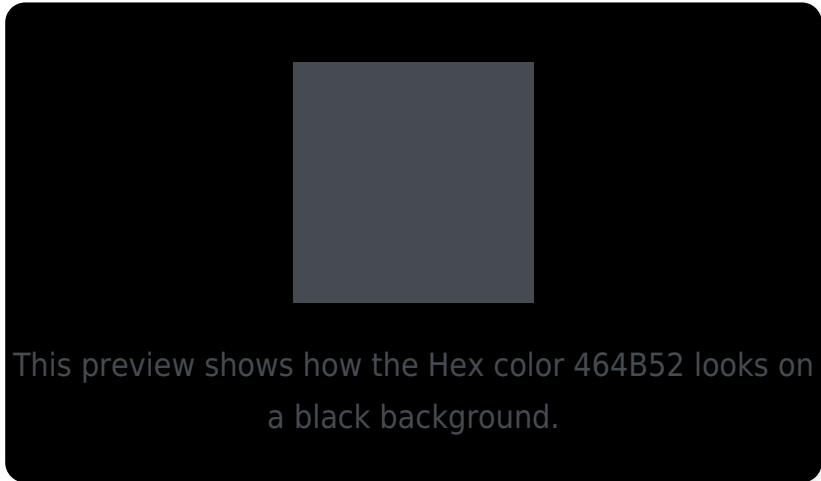
Large Text (above 18pt) WCAG AA ✓ Pass

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

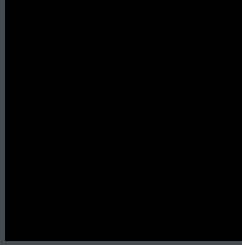
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

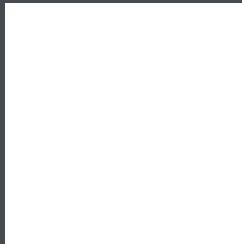
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 464B52 Background



This preview shows how black text looks on a background with the Hex color 464B52.

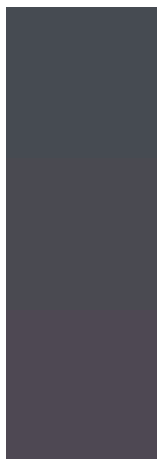


This preview shows how white text looks on a background with the Hex color 464B52.

# 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**

464B52

**Protanopia**

4A4A51

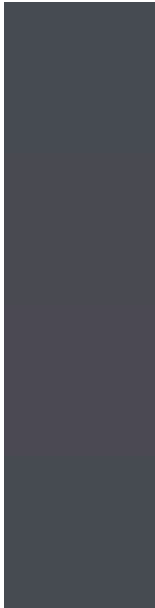
**Deuteranopia**

4E4853



**Tritanopia**  
464B51

# Trichromacy



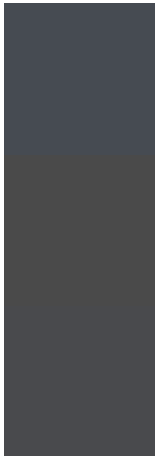
**Original Color**  
464B52

**Protanomaly**  
494A51

**Deuteranomaly**  
4B4953

**Tritanomaly**  
464B51

# Monochromacy



**Original Color**  
464B52

**Achromatopsia**  
4A4A4A

**Achromatomaly**  
494A4D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 464B52 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 #464B52 looks like.

```
.text, #text, p{  
    color:#464B52  
}
```

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 #464B52 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #464B52
}
```

## Border

The CSS property to change the border of an element to Hex 464B52 is called "border". The border property can be set on classes, ids or directly on the HTML element.

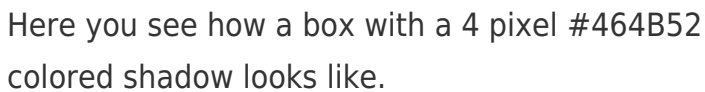
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#464B52 }
```

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

```
.border{ border-color:#464B52 }
```

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



Here you see how a box with a 4 pixel #464B52 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #464B52; -webkit-box-shadow:4px 4px  
4px 4px #464B52; box-shadow:4px 4px 4px  
4px #464B52 }
```

# Background

The CSS property to change the background color of an element to Hex 464B52 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#464B52 }
```

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

```
.background{ background-color:#464B52 }
```

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