

# Converting Colors

Hex(4B4B52)

Have a look what the booklet for  
Hex(4B4B52) contains.

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# Color

Hex(4B4B52)

# Conversions

## Conversions Part 1

Format	Color
Hex	4B4B52
RGB	75, 75, 82
RGB Percent	29%, 29%, 32%
CMY	0.7059, 0.7059, 0.6784
CMYK	0.09, 0.09, 0.00, 0.68
HSL	240°, 4%, 31%
HSV	240°, 9%, 32%
XYZ	6.9407, 7.1372, 8.9944
YIQ	75.7980, -2.2470, 2.1770

# Conversions

## Conversions Part 2

Format	Color
<b>R<sub>YB</sub></b>	75, 75, 82
Decimal	4934482
CIE Lab	32.12, 1.59, -4.14
CIE LCh	32, 4.437, 290.974
Yxy	7.1372, 0.3008, 0.3093
Android (android.graphics.Color)	4283124562 (0xFF4B4B52)
YUV	75.7980, 3.0576, -0.6998
Hunter-Lab	26.7155, -0.3778, -1.2606

# Details

The Hex color **4B4B52** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **52524B**, and the grayscale version is **4C4C4C**.

A 20% lighter version of the original color is **7C7C83**, and **1F1F25** is the 20% darker color. If you saturate the color by 10%, you get **434352**, and if you desaturate by 10%, it is **535352**.

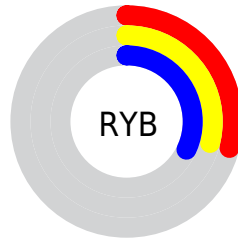
# Distribution



Red (29%)

Green (29%)

Blue (32%)



Red (29%)

Yellow (29%)

Blue (32%)

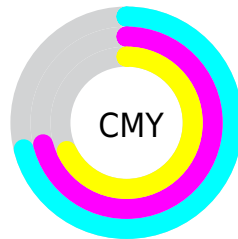


Cyan (9%)

Magenta (9%)

Yellow (0%)

Black (68%)



Cyan (71%)

Magenta (71%)

Yellow (68%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4B4B52 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 4B4B52 by changing the saturation by 10% instead.





4B4B52



4B4B52

FFFFFF



34343B



7C7C83



1F1F25



96959D



070711



B0B0B8



000000



CCCCD4



E8E8F0



4B4B52



4B4B52



434352



535352



3B3B52



5B5B52

■ 323252

■ 646452

■ 2A2A52

■ 6C6C52

■ 222252

■ 747452

■ 1A1A52

■ 7C7C52

■ 121252

■ 848452

■ 090952

■ 8D8D52

■ 010152

■ 959552

# Harmonies

## Analogous

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



474C52



4B4B52



4F4A50

# Triad

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



4B4B52



524A46



454E4A

# Complementary

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



4B4B52



52524B

# 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.



484D47



4B4B52



504B45

# Square

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



4B4B52



534949



4C4C45



434E4E

# Rectangle

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



4B4B52



51494E



4C4C45



454D49



# Sweetspot

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



4B4B52



68686B



4B5252



333336



B5B5B5



363636



# Same Dimension

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



4B4B52



60606B



4E4B52



252529



000069



0000E8



# Inverse Universe

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



524B52



6B606B



4E524B



292529



690069

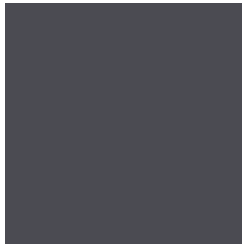


E800E8



# Previews

## White Background



This preview shows how the Hex color 4B4B52 looks on a white background.

## Color Contrast Check

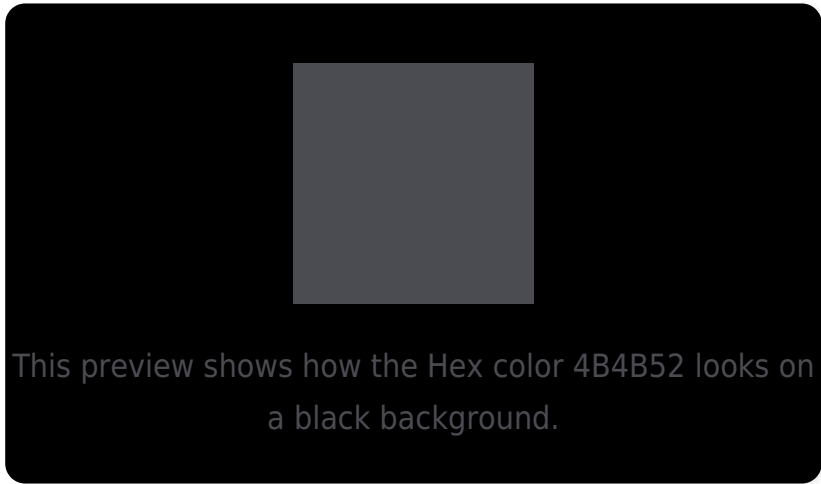
Large Text (above 18pt) WCAG AA ✓ Pass

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

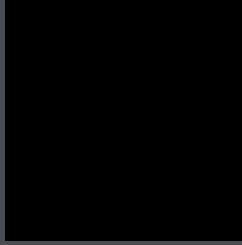
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

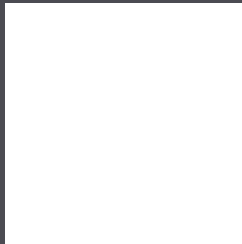
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 4B4B52 Background



This preview shows how black text looks on a background with the Hex color 4B4B52.



This preview shows how white text looks on a background with the Hex color 4B4B52.

# 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**

4B4B52

**Protanopia**

4B4B52

**Deuteranopia**

504952



**Tritanopia**  
4B4B51

# Trichromacy



**Original Color**

4B4B52

**Protanomaly**

4B4B52

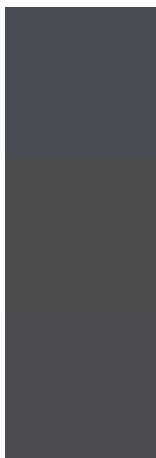
**Deuteranomaly**

4E4A52

**Tritanomaly**

4B4B51

# Monochromacy



**Original Color**

4B4B52

**Achromatopsia**

4C4C4C

**Achromatomaly**

4C4C4E

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4B4B52 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 #4B4B52 looks like.

```
.text, #text, p{  
    color:#4B4B52  
}
```

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 #4B4B52 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4B4B52
}
```

## Border

The CSS property to change the border of an element to Hex 4B4B52 is called "border". The border property can be set on classes, ids or directly on the HTML element.

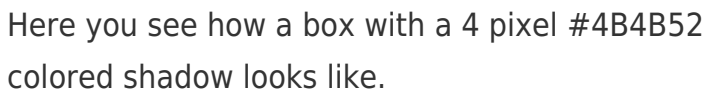
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#4B4B52 }
```

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

```
.border{ border-color:#4B4B52 }
```

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



Here you see how a box with a 4 pixel #4B4B52 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4B4B52; -webkit-box-shadow:4px 4px  
4px 4px #4B4B52; box-shadow:4px 4px 4px  
4px #4B4B52 }
```

# Background

The CSS property to change the background color of an element to Hex 4B4B52 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4B4B52 }
```

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

```
.background{ background-color:#4B4B52 }
```

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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