

# Converting Colors

Hex(4B4647)

Have a look what the booklet for  
Hex(4B4647) contains.

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# Color

Hex(4B4647)

# Conversions

## Conversions Part 1

Format	Color
Hex	4B4647
RGB	75, 70, 71
RGB Percent	29%, 27%, 28%
CMY	0.7059, 0.7255, 0.7216
CMYK	0.00, 0.07, 0.05, 0.71
HSL	348°, 3%, 28%
HSV	348°, 7%, 29%
XYZ	6.2291, 6.3311, 6.8550
YIQ	71.6090, 2.6590, 1.3710

# Conversions

## Conversions Part 2

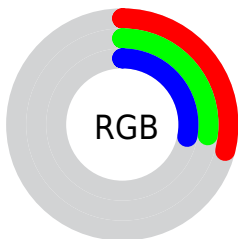
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	75, 70, 71
Decimal	4933191
CIE Lab	30.23, 2.31, 0.15
CIE LCh	30, 2.314, 3.688
Yxy	6.3311, 0.3208, 0.3261
Android (android.graphics.Color)	4283123271 (0xFF4B4647)
YUV	71.6090, -0.3002, 2.9739
Hunter-Lab	25.1617, 0.1573, 1.4605

# Details

The Hex color **4B4647** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **464B4A**, and the grayscale version is **484848**.

A 20% lighter version of the original color is **7C7677**, and **1F1B1C** is the 20% darker color. If you saturate the color by 10%, you get **4B3F41**, and if you desaturate by 10%, it is **4B4E4D**.

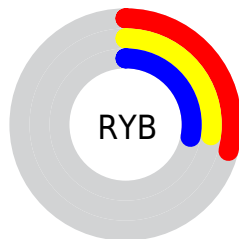
# Distribution



Red (29%)

Green (27%)

Blue (28%)



Red (29%)

Yellow (27%)

Blue (28%)

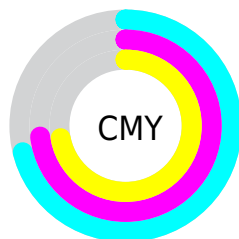


Cyan (0%)

Magenta (7%)

Yellow (5%)

Black (71%)



Cyan (71%)

Magenta (73%)

Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4B4647 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 4B4647 by changing the saturation by 10% instead.





4B4647



4B4647

FFFFFF



343031



7C7677



1F1B1C



969091



070001



B0AAAB



000000



CCC6C7



E8E2E3

FFFEFF



4B4647



4B4647



4B3F41



4B4E4D

■ 4B373B

■ 4B5553

■ 4B3035

■ 4B5D59

■ 4B282F

■ 4B645F

■ 4B2129

■ 4B6C65

■ 4B1923

■ 4B736B

■ 4B121D

■ 4B7B71

■ 4B0A17

■ 4B8277

■ 4B0311

■ 4B8A7D

# Harmonies

## Analogous

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



4A4649



4B4647



4B4645

# Triad

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



4B4647



464844



44484A

# Complementary

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



4B4647



464B4A

# 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.



434849



4B4647



444846

# Square

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



4B4647



494744



434847



46474B

# Rectangle

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



4B4647



4B4644



434847



43484A



# Sweetspot

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



4B4647



615F5F



4A464B



302F30



B0B0B0



303030



# Same Dimension

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



4B4647



61595B



4B4846



262223



660014



E6002E



# Inverse Universe

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



4B4647



61595B



464A4B



262223



660014



E6002E



# Previews

## White Background



This preview shows how the Hex color 4B4647 looks on a white background.

## Color Contrast Check

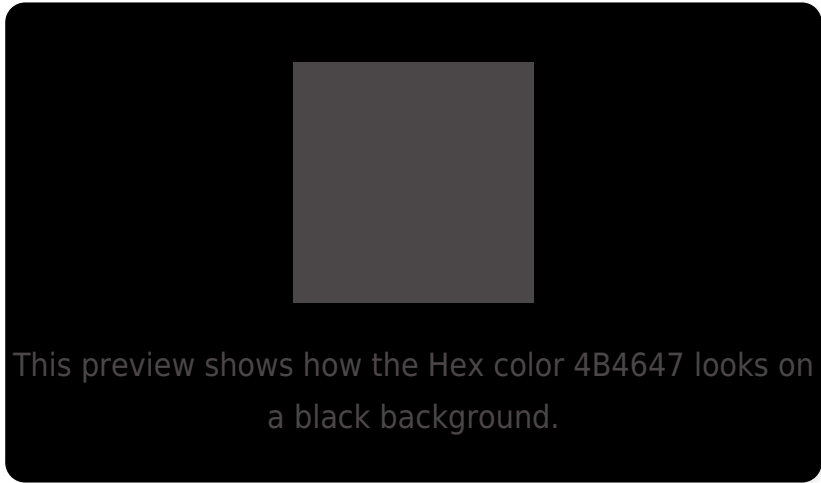
Large Text (above 18pt) WCAG AA ✓ Pass

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

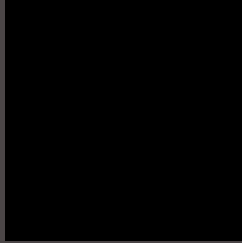
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 4B4647 Background



This preview shows how black text looks on a background with the Hex color 4B4647.

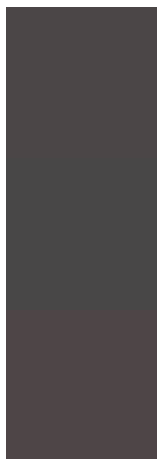


This preview shows how white text looks on a background with the Hex color 4B4647.

# 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**

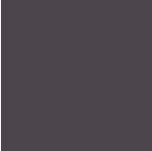
**4B4647**

**Protanopia**

**484747**

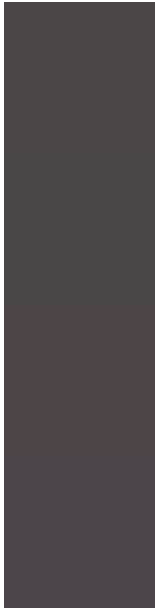
**Deuteranopia**

**4E4547**



**Tritanopia**  
4C454B

# Trichromacy



**Original Color**

4B4647

**Protanomaly**

494747

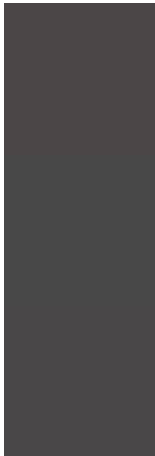
**Deuteranomaly**

4D4547

**Tritanomaly**

4C454A

# Monochromacy



**Original Color**

4B4647

**Achromatopsia**

484848

**Achromatomaly**

494748

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4B4647 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 #4B4647 looks like.

```
.text, #text, p{  
    color:#4B4647  
}
```

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 #4B4647 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4B4647
}
```

## Border

The CSS property to change the border of an element to Hex 4B4647 is called "border". The border property can be set on classes, ids or directly on the HTML element.

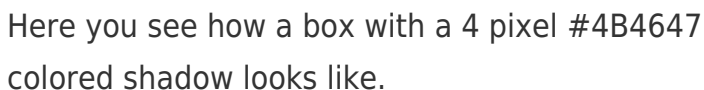
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#4B4647 }
```

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

```
.border{ border-color:#4B4647 }
```

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



Here you see how a box with a 4 pixel #4B4647 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4B4647; -webkit-box-shadow:4px 4px  
4px 4px #4B4647; box-shadow:4px 4px 4px  
4px #4B4647 }
```

# Background

The CSS property to change the background color of an element to Hex 4B4647 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4B4647 }
```

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

```
.background{ background-color:#4B4647 }
```

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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