

# Converting Colors

Hex(4E4848)

Have a look what the booklet for  
Hex(4E4848) contains.

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# Color

**Hex(4E4848)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4E4848
RGB	78, 72, 72
RGB Percent	31%, 28%, 28%
CMY	0.6941, 0.7176, 0.7176
CMYK	0.00, 0.08, 0.08, 0.69
HSL	0°, 4%, 29%
HSV	0°, 8%, 31%
XYZ	6.6289, 6.7223, 7.0790
YIQ	73.7940, 3.5760, 1.2720

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>RYB</b>	78, 72, 72
Decimal	5130312
CIELab	31.17, 2.51, 0.90
CIElCh	31, 2.667, 19.731
Yxy	6.7223, 0.3245, 0.3290
Android (android.graphics.Color)	4283320392 (0xFF4E4848)
YUV	73.7940, -0.8844, 3.6887
Hunter-Lab	25.9274, 0.2647, 1.9611

# Details

The Hex color **4E4848** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **484E4E**, and the grayscale version is **4A4A4A**.

A 20% lighter version of the original color is **7F7878**, and **221D1D** is the 20% darker color. If you saturate the color by 10%, you get **4E4040**, and if you desaturate by 10%, it is **4E5050**.

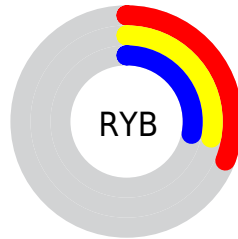
# Distribution



 Red (31%)

 Green (28%)

 Blue (28%)



 Red (31%)

 Yellow (28%)

 Blue (28%)

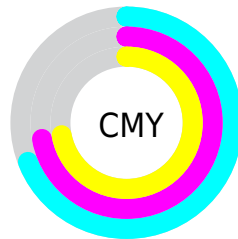


 Cyan (0%)

 Magenta (8%)

 Yellow (8%)

 Black (69%)



 Cyan (69%)

 Magenta (72%)

 Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4E4848 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 4E4848 by changing the saturation by 10% instead.





4E4848



4E4848

FFFFFF



373232



7F7878



221D1D



999292



0C0202



B4ADAD



000000



CFC8C8



EBE4E4



4E4848



4E4848



4E4040



4E5050



4E3838



4E5858

■ 4E3131

■ 4E5F5F

■ 4E2929

■ 4E6767

■ 4E2121

■ 4E6F6F

■ 4E1919

■ 4E7777

■ 4E1111

■ 4E7F7F

■ 4E0A0A

■ 4E8686

■ 4E0202

■ 4E8E8E

# Harmonies

## Analogous

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



4D484A



4E4848



4E4846

# Triad

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



4E4848



474A47



474A4D

# Complementary

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



4E4848



484E4E

# 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.



454A4C



4E4848



454B49

# Square

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



4E4848



4A4A45



444B4B



49494D

# Rectangle

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



4E4848



4D4945



444B4B



464A4D



# Sweetspot

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



4E4848



666464



4E484E



333232



B3B3B3



333333



# Same Dimension

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



4E4848



665D5D



4E4B48



262222



660000



E60000



# Inverse Universe

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



484E4E



5D6666



484B4E



222626



006666



00E6E6



# Previews

## White Background



This preview shows how the Hex color 4E4848 looks on a white background.

## Color Contrast Check

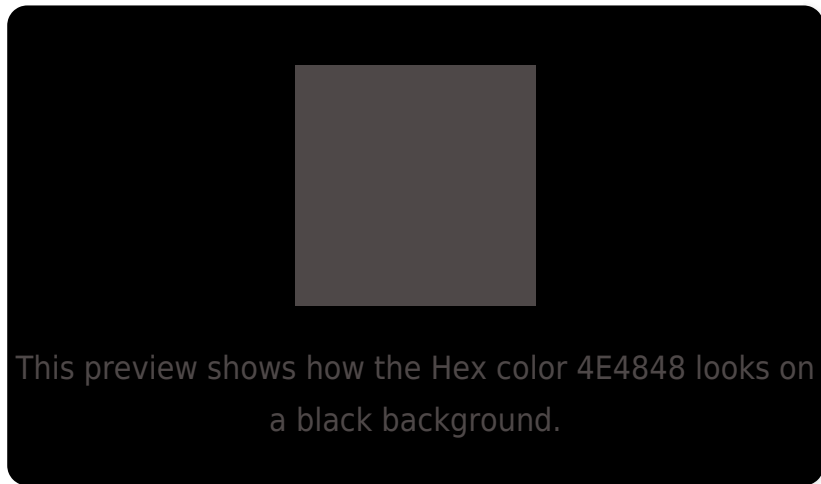
Large Text (above 18pt) WCAG AA ✓ Pass

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

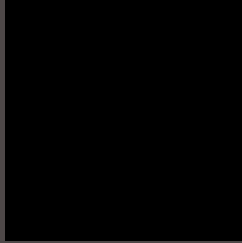
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 4E4848 Background



This preview shows how black text looks on a background with the Hex color 4E4848.

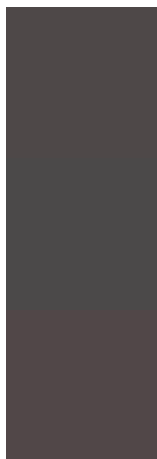


This preview shows how white text looks on a background with the Hex color 4E4848.

# 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**

4E4848

**Protanopia**

4B4949

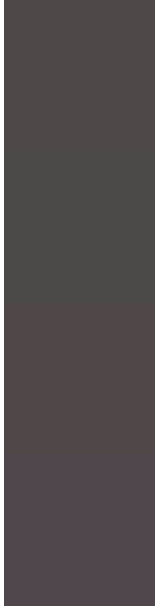
**Deuteranopia**

514748



**Tritanopia**  
4F474D

# Trichromacy



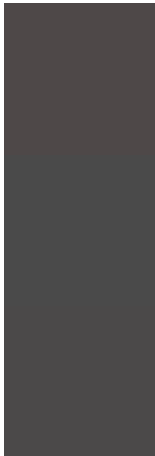
**Original Color**  
4E4848

**Protanomaly**  
4C4949

**Deuteranomaly**  
504748

**Tritanomaly**  
4F474B

# Monochromacy



**Original Color**  
4E4848

**Achromatopsia**  
4A4A4A

**Achromatomaly**  
4B4949

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4E4848 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 #4E4848 looks like.

```
.text, #text, p{  
    color:#4E4848  
}
```

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 #4E4848 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4E4848
}
```

## Border

The CSS property to change the border of an element to Hex 4E4848 is called "border". The border property can be set on classes, ids or directly on the HTML element.

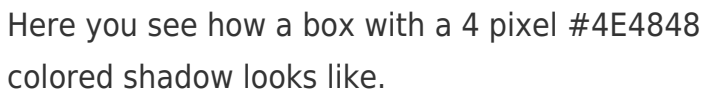
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#4E4848 }
```

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

```
.border{ border-color:#4E4848 }
```

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



Here you see how a box with a 4 pixel #4E4848 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4E4848; -webkit-box-shadow:4px 4px  
4px 4px #4E4848; box-shadow:4px 4px 4px  
4px #4E4848 }
```

# Background

The CSS property to change the background color of an element to Hex 4E4848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4E4848 }
```

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

```
.background{ background-color:#4E4848 }
```

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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