

# Converting Colors

Hex(464648)

Have a look what the booklet for  
Hex(464648) contains.

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# Color

**Hex(464648)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	464648
RGB	70, 70, 72
RGB Percent	27%, 27%, 28%
CMY	0.7255, 0.7255, 0.7176
CMYK	0.03, 0.03, 0.00, 0.72
HSL	240°, 1%, 28%
HSV	240°, 3%, 28%
XYZ	5.8856, 6.1503, 7.0078
YIQ	70.2280, -0.6420, 0.6220

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	70, 70, 72
Decimal	4605512
CIE Lab	29.79, 0.45, -1.20
CIE LCh	30, 1.285, 290.442
Yxy	6.1503, 0.3091, 0.3230
Android (android.graphics.Color)	4282795592 (0xFF464648)
YUV	70.2280, 0.8736, -0.2000
Hunter-Lab	24.7998, -1.0368, 0.6059

# Details

The Hex color **464648** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **484846**, and the grayscale version is **464646**.

A 20% lighter version of the original color is **767678**, and **1B1B1D** is the 20% darker color. If you saturate the color by 10%, you get **3F3F48**, and if you desaturate by 10%, it is **4D4D48**.

# Distribution



 Red (27%)

 Green (27%)

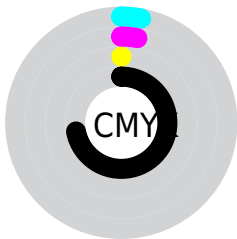
 Blue (28%)



 Red (27%)

 Yellow (27%)

 Blue (28%)



 Cyan (3%)

 Magenta (3%)

 Yellow (0%)

 Black (72%)



 Cyan (73%)

 Magenta (73%)

 Yellow (72%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 464648 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 464648 by changing the saturation by 10% instead.





464648



464648

FFFFFF



303032



767678



1B1B1D



909092



000002



AAAAAD



000000



C6C6C8



E2E2E4

FEFEFF



464648



464648



3F3F48



4D4D48

■ 383848

■ 545448

■ 303048

■ 5C5C48

■ 292948

■ 636348

■ 222248

■ 6A6A48

■ 1B1B48

■ 717148

■ 141448

■ 787848

■ 0C0C48

■ 808048

■ 050548

■ 878748

# Harmonies

## Analogous

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



454648



464648



474647

# Triad

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



464648



484645



444746

# Complementary

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



464648



484846

# 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.



454745



464648



474644

# Square

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



464648



484645



464644



444747

# Rectangle

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



464648



484647



464644



444745



# Sweetspot

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



464648



5D5D5E



464848



303030



B0B0B0

# Same Dimension

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



464648



5C5C5E



474648



222224



000063



0000E3



# Inverse Universe

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



484648



5E5C5E



474846



242224



630063



E300E3



# Previews

## White Background



This preview shows how the Hex color 464648 looks on a white background.

## Color Contrast Check

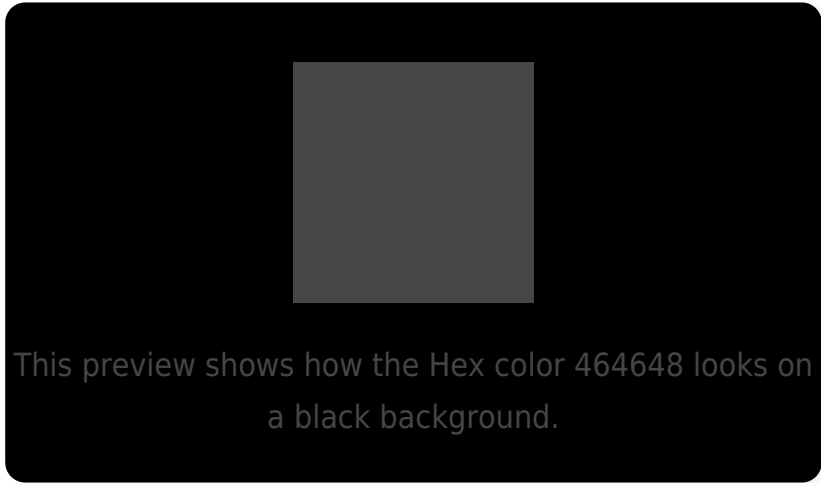
Large Text (above 18pt) WCAG AA ✓ Pass

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

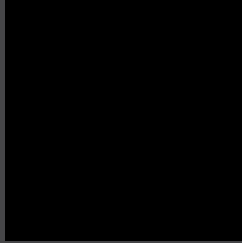
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

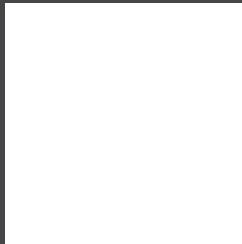
Any Text WCAG AAA × Fail

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

## Hex 464648 Background



This preview shows how black text looks on a background with the Hex color 464648.



This preview shows how white text looks on a background with the Hex color 464648.



# 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**  
464648

**Protanopia**  
474648

**Deuteranopia**  
4C4448



**Tritanopia**  
46464B

# Trichromacy



**Original Color**

464648

**Protanomaly**

474648

**Deuteranomaly**

4A4548

**Tritanomaly**

46464A

# Monochromacy



**Original Color**

464648

**Achromatopsia**

464646

**Achromatomaly**

464647

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 464648 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 #464648 looks like.

```
.text, #text, p{  
    color:#464648  
}
```

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 #464648 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #464648  
}
```

## Border

The CSS property to change the border of an element to Hex 464648 is called "border". The border property can be set on classes, ids or directly on the HTML element.

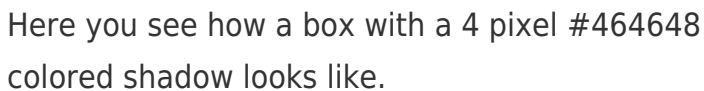
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid  
#464648 }
```

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

```
.border{ border-color:#464648 }
```

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



Here you see how a box with a 4 pixel #464648 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #464648; -webkit-box-shadow:4px 4px  
4px 4px #464648; box-shadow:4px 4px 4px  
4px #464648 }
```

# Background

The CSS property to change the background color of an element to Hex 464648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#464648 }
```

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

```
.background{ background-color:#464648 }
```

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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