

# Converting Colors

Hex(454646)

Have a look what the booklet for  
Hex(454646) contains.

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# Color

**Hex(454646)**

# Conversions

## Conversions Part 1

Format	Color
Hex	454646
RGB	69, 70, 70
RGB Percent	27%, 27%, 27%
CMY	0.7294, 0.7255, 0.7255
CMYK	0.01, 0.00, 0.00, 0.73
HSL	180°, 1%, 27%
HSV	180°, 1%, 27%
XYZ	5.7499, 6.0877, 6.6663
YIQ	69.7010, -0.5960, -0.2120

# Conversions

## Conversions Part 2

Format	Color
<a href="#">RYB</a>	<a href="#">69, 70, 70</a>
Decimal	<a href="#">4539974</a>
CIELab	<a href="#">29.63, -0.41, -0.15</a>
CIELCh	<a href="#">30, 0.438, 199.930</a>
Yxy	<a href="#">6.0877, 0.3107, 0.3290</a>
Android (android.graphics.Color)	<a href="#">4282730054 (0xFF454646)</a>
YUV	<a href="#">69.7010, 0.1474, -0.6148</a>
Hunter-Lab	<a href="#">24.6733, -1.5805, 1.2521</a>

# Details

The Hex color **454646** is a dark color, and the websafe version is hex **333333**. A complement of this color would be **464545**, and the grayscale version is **464646**.

A 20% lighter version of the original color is **757676**, and **1A1B1B** is the 20% darker color. If you saturate the color by 10%, you get **3E4646**, and if you desaturate by 10%, it is **4C4646**.

# Distribution



Red (27%)

Green (27%)

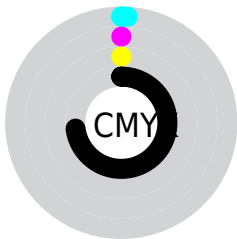
Blue (27%)



Red (27%)

Yellow (27%)

Blue (27%)



Cyan (1%)

Magenta (0%)

Yellow (0%)

Black (73%)



Cyan (73%)

Magenta (73%)

Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 454646 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 454646 by changing the saturation by 10% instead.





454646



454646

FFFFFF



2F3030



757676



1A1B1B



8F9090



000000



A9AAAA



C4C6C6



E0E2E2



FDFEFE



454646



454646



3E4646



4C4646

■ 374646

■ 534646

■ 304646

■ 5A4646

■ 294646

■ 614646

■ 224646

■ 684646

■ 1B4646

■ 6F4646

■ 144646

■ 764646

■ 0D4646

■ 7D4646

■ 064646

■ 844646

# Harmonies

# Triad

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



454646



464646



464645

# Complementary

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



454646



464545

# 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.



464645



454646



464646

# Square

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



454646



464646



474646



464645

# Rectangle

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



454646



474646



464645



# Sweetspot

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



454646



5C5C5C



454645



2E2E2E



ADADAD

# Same Dimension

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



454646



5A5C5C



232424



006363



00E3E3

# Inverse Universe

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



464546



5C5A5C



464645



242324



630063

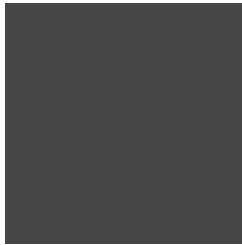


E300E3



# Previews

## White Background



This preview shows how the Hex color 454646 looks on a white background.

## Color Contrast Check

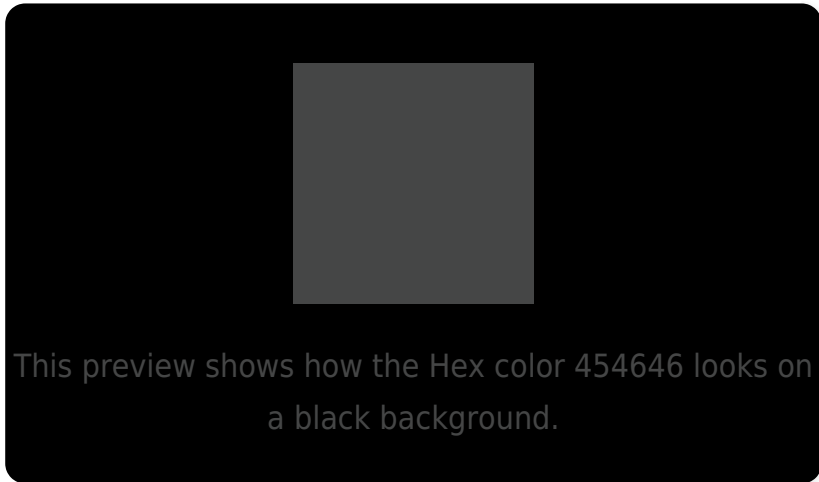
Large Text (above 18pt) WCAG AA ✓ Pass

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

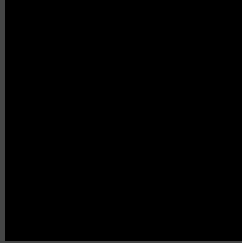
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

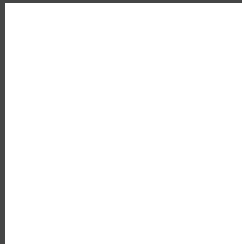
Any Text WCAG AAA × Fail

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

## Hex 454646 Background



This preview shows how black text looks on a background with the Hex color 454646.



This preview shows how white text looks on a background with the Hex color 454646.

# 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**  
454646

**Protanopia**  
474546

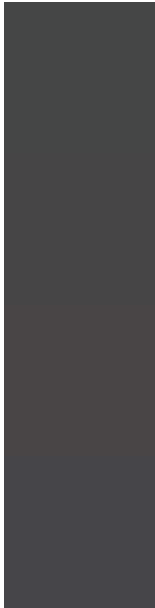
**Deuteranopia**  
4C4446





**Tritanopia**  
46454B

# Trichromacy



**Original Color**

454646

**Protanomaly**

464546

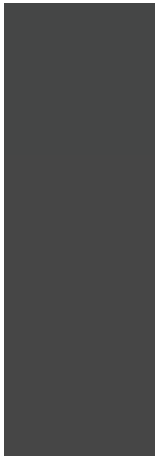
**Deuteranomaly**

494546

**Tritanomaly**

464549

# Monochromacy



**Original Color**

454646

**Achromatopsia**

464646

**Achromatomaly**

464646

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 454646 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 #454646 looks like.

```
.text, #text, p{  
    color:#454646  
}
```

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 #454646 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #454646
}
```

## Border

The CSS property to change the border of an element to Hex 454646 is called "border". The border property can be set on classes, ids or directly on the HTML element.

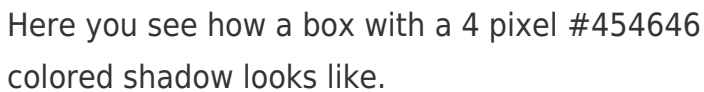
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#454646 }
```

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

```
.border{ border-color:#454646 }
```

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



Here you see how a box with a 4 pixel #454646 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #454646; -webkit-box-shadow:4px 4px  
4px 4px #454646; box-shadow:4px 4px 4px  
4px #454646 }
```

# Background

The CSS property to change the background color of an element to Hex 454646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#454646 }
```

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

```
.background{ background-color:#454646 }
```

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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