

# Converting Colors

Hex(465758)

Have a look what the booklet for  
Hex(465758) contains.

<b>Hex(465758)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(465758)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	465758
RGB	70, 87, 88
RGB Percent	27%, 34%, 35%
CMY	0.7255, 0.6588, 0.6549
CMYK	0.20, 0.01, 0.00, 0.65
HSL	183°, 11%, 31%
HSV	183°, 20%, 35%
XYZ	7.6954, 8.8231, 10.5299
YIQ	82.0310, -10.4530, -3.2930

# Conversions

## Conversions Part 2

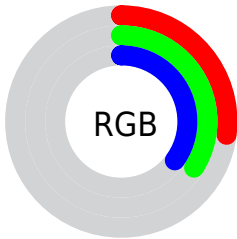
Format	Color
<b>R<sub>YB</sub></b>	70, 79, 88
Decimal	4609880
CIE Lab	35.64, -6.29, -2.77
CIE LCh	36, 6.868, 203.743
Yxy	8.8231, 0.2845, 0.3262
Android (android.graphics.Color)	4282799960 (0xFF465758)
YUV	82.0310, 2.9427, -10.5512
Hunter-Lab	29.7036, -5.7367, -0.2258

# Details

The Hex color **465758** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **584746**, and the grayscale version is **525252**.

A 20% lighter version of the original color is **77898A**, and **1A2A2B** is the 20% darker color. If you saturate the color by 10%, you get **3D5758**, and if you desaturate by 10%, it is **4F5758**.

# Distribution



Red (27%)

Green (34%)

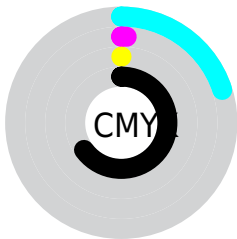
Blue (35%)



Red (27%)

Yellow (31%)

Blue (35%)

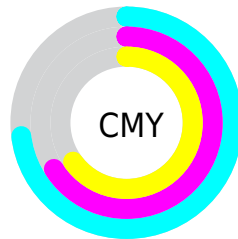


Cyan (20%)

Magenta (1%)

Yellow (0%)

Black (65%)



Cyan (73%)

Magenta (66%)

Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 465758 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 465758 by changing the saturation by 10% instead.



■ 465758

■ 465758

FFFFFF

■ 2F4041

■ 77898A

■ 1A2A2B

■ 90A3A4

■ 011616

■ ABBEBF

■ 000000

■ C6DADB

■ E2F6F7

■ 465758

■ 465758

■ 3D5758

■ 4F5758

■ 345658

■ 585858

■ 2C5658

■ 605858

■ 235558

■ 695958

■ 1A5558

■ 725958

■ 115458

■ 7B5A58

■ 085458

■ 845A58

■ 005358

■ 8C5B58

■ 955B58

# Harmonies

## Analogous

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



485752



465758



48565C

# Triad

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



465758



5A515A



5A5349

# Complementary

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



465758



584746

# 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.



5E514B



465758



5E5055

# Square

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



465758



54535E



605050



54554A

# Rectangle

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



465758



4B555E



605050



5B5249



# Sweetspot

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



465758



6C7273



465847



373A3B



BABABA



3B3B3B



# Same Dimension

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



465758



567173



464E58



272B2B



00656B



00DEEB



# Inverse Universe

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



584657



735671



585046



2B272B



6B0065



EB00DE



# Previews

## White Background



This preview shows how the Hex color 465758 looks on a white background.

## Color Contrast Check

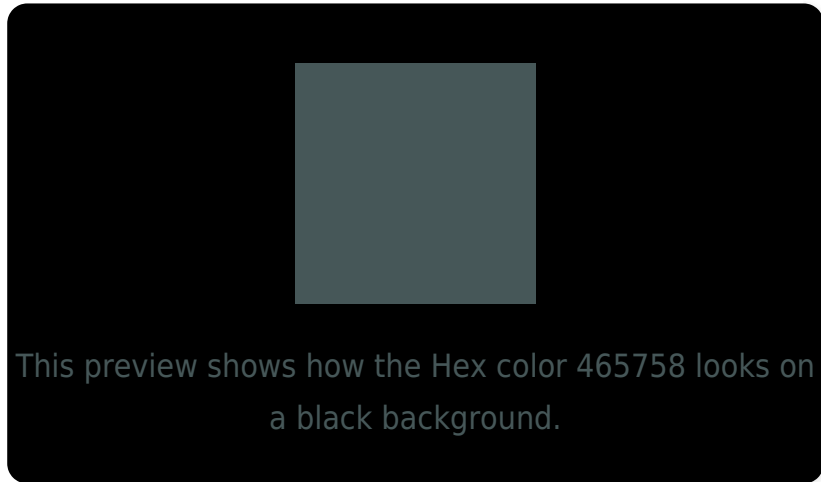
Large Text (above 18pt) WCAG AA ✓ Pass

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

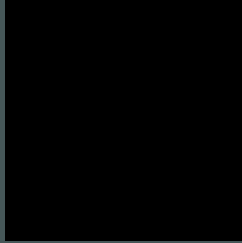
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 465758 Background



This preview shows how black text looks on a background with the Hex color 465758.



This preview shows how white text looks on a background with the Hex color 465758.

# 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](#).

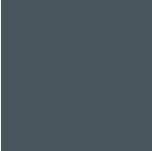
## Dichromacy



**Original Color**  
465758

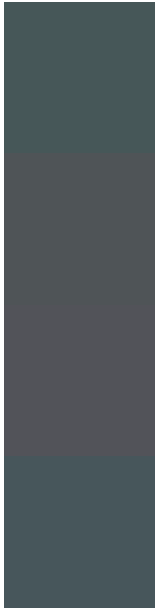
**Protanopia**  
545356

**Deuteranopia**  
595159



**Tritanopia**  
47565D

# Trichromacy



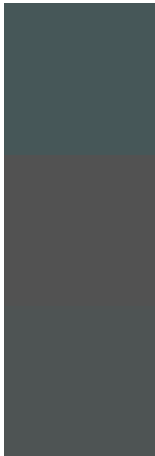
**Original Color**  
465758

**Protanomaly**  
4F5457

**Deuteranomaly**  
525359

**Tritanomaly**  
47565B

# Monochromacy



**Original Color**  
465758

**Achromatopsia**  
525252

**Achromatomaly**  
4E5454

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 465758 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 #465758 looks like.

```
.text, #text, p{  
    color:#465758  
}
```

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 #465758 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #465758
}
```

## Border

The CSS property to change the border of an element to Hex 465758 is called "border". The border property can be set on classes, ids or directly on the HTML element.

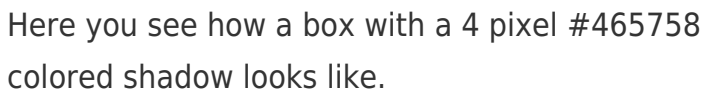
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#465758 }
```

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

```
.border{ border-color:#465758 }
```

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



Here you see how a box with a 4 pixel #465758 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #465758; -webkit-box-shadow:4px 4px  
4px 4px #465758; box-shadow:4px 4px 4px  
4px #465758 }
```

# Background

The CSS property to change the background color of an element to Hex 465758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#465758 }
```

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

```
.background{ background-color:#465758 }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor