

# Converting Colors

Hex(456B63)

Have a look what the booklet for  
Hex(456B63) contains.

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# Color

Hex(456B63)

# Conversions

## Conversions Part 1

Format	Color
Hex	456B63
RGB	69, 107, 99
RGB Percent	27%, 42%, 39%
CMY	0.7294, 0.5804, 0.6118
CMYK	0.36, 0.00, 0.07, 0.58
HSL	167°, 22%, 35%
HSV	167°, 36%, 42%
XYZ	9.9641, 12.6815, 13.7270
YIQ	94.7260, -20.0800, -10.5440

# Conversions

## Conversions Part 2

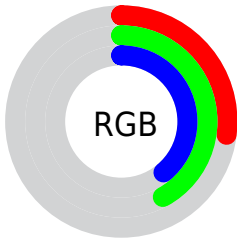
<b>Format</b>	<b>Color</b>
<b>RYB</b>	69, 90, 107
Decimal	4549475
CIELab	42.28, -15.44, 0.20
CIElCh	42, 15.445, 179.270
Yxy	12.6815, 0.2739, 0.3487
Android (android.graphics.Color)	4282739555 (0xFF456B63)
YUV	94.7260, 2.1071, -22.5617
Hunter-Lab	35.6110, -12.3745, 2.0732

# Details

The Hex color **456B63** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **6B454D**, and the grayscale version is **5F5F5F**.

A 20% lighter version of the original color is **779F96**, and **163B35** is the 20% darker color. If you saturate the color by 10%, you get **3A6B61**, and if you desaturate by 10%, it is **506B65**.

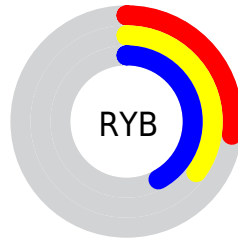
# Distribution



Red (27%)

Green (42%)

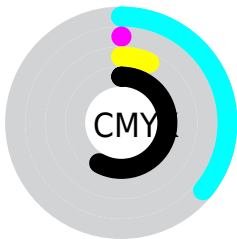
Blue (39%)



Red (27%)

Yellow (35%)

Blue (42%)

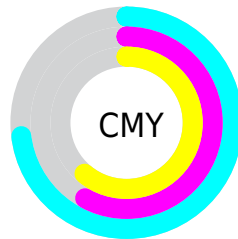


Cyan (36%)

Magenta (0%)

Yellow (7%)

Black (58%)



Cyan (73%)

Magenta (58%)

Yellow (61%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 456B63 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 456B63 by changing the saturation by 10% instead.





456B63



456B63

FFFFFF



2D534B



779F96



163B35



91BAB0



00251F



ACD5CC



000F07



C7F2E8



000000



E4FFFF



456B63



456B63



3A6B61



506B65



306B5E



5A6B68

■ 256B5C

■ 656B6A

■ 1A6B5A

■ 706B6C

■ 0F6B58

■ 7B6B6E

■ 056B55

■ 856B71

■ 006B54

■ 906B73

■ 9B6B75

■ A56B77

# Harmonies

## Analogous

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



516A56



456B63



406B70

# Triad

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



456B63



66617A



785F4E

# Complementary

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



456B63



6B454D

# 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.



7E5B58



456B63



745D71

# Square

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



456B63



54657D



7C5B65



6E634A

# Rectangle

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



456B63



426977



7C5B65



7B5D51



# Sweetspot

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



456B63



7D8C89



4D6B45



3E4745



C7C7C7



474747



# Same Dimension

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



456B63



508C80



45606B



303634



00755D



00F5C1



# Inverse Universe

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



6B454D



8C505D



6B5045



363031



750019



F50034



# Previews

## White Background



This preview shows how the Hex color 456B63 looks on a white background.

## Color Contrast Check

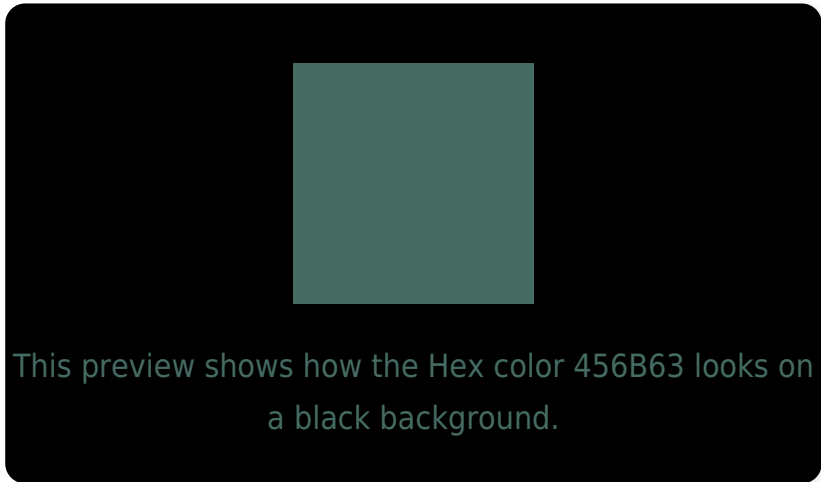
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

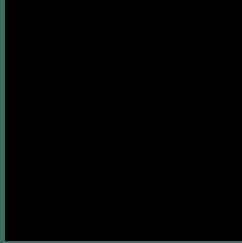
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 456B63 Background



This preview shows how black text looks on a background with the Hex color 456B63.

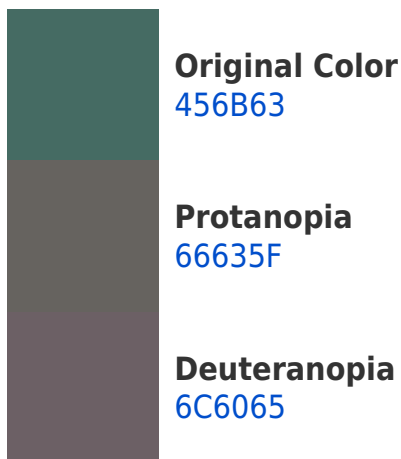



This preview shows how white text looks on a background with the Hex color 456B63.

# 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





**Tritanopia**  
486971

# Trichromacy



**Original Color**  
456B63

**Protanomaly**  
5A6660

**Deuteranomaly**  
5E6464

**Tritanomaly**  
476A6C

# Monochromacy



**Original Color**  
456B63

**Achromatopsia**  
5F5F5F

**Achromatomaly**  
566360

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 456B63 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 #456B63 looks like.

```
.text, #text, p{  
    color:#456B63  
}
```

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 #456B63 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #456B63  
}
```

## Border

The CSS property to change the border of an element to Hex 456B63 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  
#456B63 }
```

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

```
.border{ border-color:#456B63 }
```

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

Here you see how a box with a 4 pixel #456B63 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #456B63; -webkit-box-shadow:4px 4px  
4px 4px #456B63; box-shadow:4px 4px 4px  
4px #456B63 }
```

# Background

The CSS property to change the background color of an element to Hex 456B63 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#456B63 }
```

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

```
.background{ background-color:#456B63 }
```

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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