

# Converting Colors

Hex(456C59)

Have a look what the booklet for  
Hex(456C59) contains.

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# Color

Hex(456C59)

# Conversions

## Conversions Part 1

Format	Color
Hex	456C59
RGB	69, 108, 89
RGB Percent	27%, 42%, 35%
CMY	0.7294, 0.5765, 0.6510
CMYK	0.36, 0.00, 0.18, 0.58
HSL	151°, 22%, 35%
HSV	151°, 36%, 42%
XYZ	9.6200, 12.7116, 11.3978
YIQ	94.1730, -17.1450, -14.1770

# Conversions

## Conversions Part 2

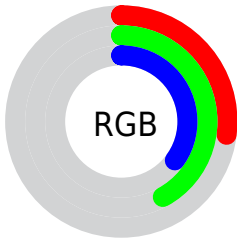
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	69, 95, 108
Decimal	4549721
CIE <sub>Lab</sub>	42.33, -18.39, 6.30
CIE <sub>LCh</sub>	42, 19.439, 161.079
Yxy	12.7116, 0.2852, 0.3769
Android (android.graphics.Color)	4282739801 (0xFF456C59)
YUV	94.1730, -2.5503, -22.0767
Hunter-Lab	35.6533, -14.2305, 6.0034

# Details

The Hex color **456C59** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **6C4558**, and the grayscale version is **5E5E5E**.

A 20% lighter version of the original color is **77A08B**, and **163C2C** is the 20% darker color. If you saturate the color by 10%, you get **3A6C54**, and if you desaturate by 10%, it is **506C5E**.

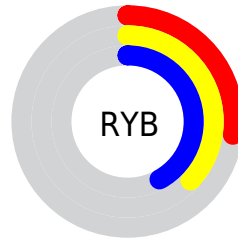
# Distribution



Red (27%)

Green (42%)

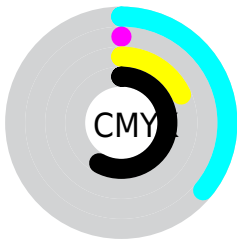
Blue (35%)



Red (27%)

Yellow (37%)

Blue (42%)

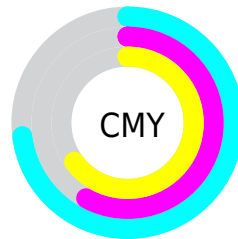


Cyan (36%)

Magenta (0%)

Yellow (18%)

Black (58%)



Cyan (73%)

Magenta (58%)

Yellow (65%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 456C59 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 456C59 by changing the saturation by 10% instead.



 456C59

 456C59


FFFFFF

 2D5442


 77A08B

 163C2C

 91BBA5

 002617

 ACD6C0

 000F00

 C7F3DC

 000000

 E4FFF9

 456C59

 456C59

 3A6C54

 506C5E

 2F6C4E

 5B6C64

■ 256C49

■ 656C69

■ 1A6C44

■ 706C6E

■ 0F6C3F

■ 7B6C73

■ 046C39

■ 866C79

■ 006C37

■ 916C7E

■ 9B6C83

■ A66C88

# Harmonies

## Analogous

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



57694B



456C59



366D69

# Triad

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



456C59



586383



825B50

# Complementary

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



456C59



6C4558

# 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.



84585E



456C59



6E5E7C

# Square

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



456C59



416882



7D596F



785F46

# Rectangle

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



456C59



326C74



7D596F



835954



# Sweetspot

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



456C59



7D8C85



596C45



3E4743



C7C7C7



474747



# Same Dimension

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



456C59



508C6F



456C6C



303633



00753C



00F57E



# Inverse Universe

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



6C4558



8C506D



6C4545



363033



750039



F50077



# Previews

## White Background



This preview shows how the Hex color 456C59 looks on a white background.

## Color Contrast Check

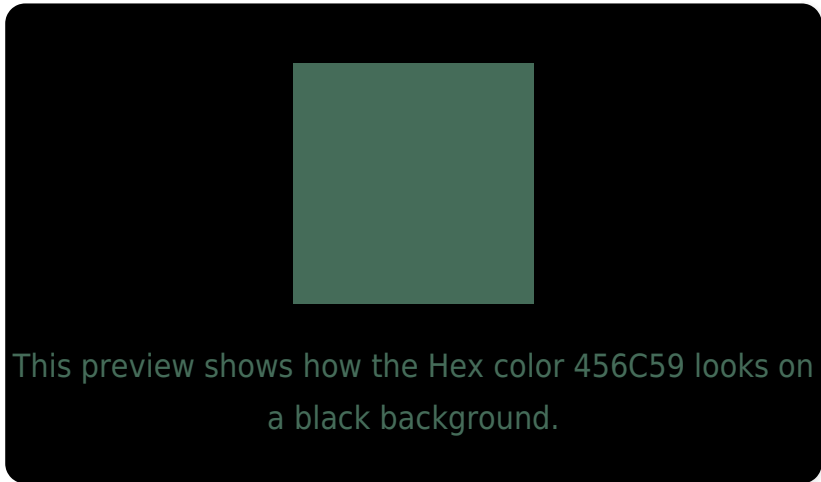
Large Text (above 18pt) WCAG AA ✓ Pass

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

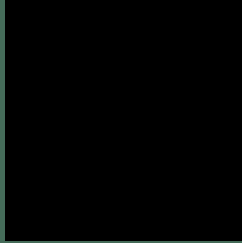
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 456C59 Background



This preview shows how black text looks on a background with the Hex color 456C59.



This preview shows how white text looks on a background with the Hex color 456C59.

# 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**  
456C59

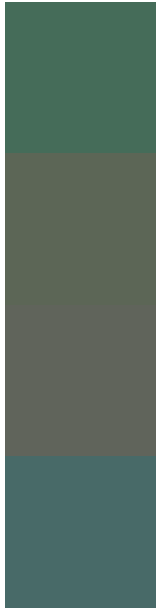
**Protanopia**  
696355

**Deuteranopia**  
70605C



**Tritanopia**  
4A6971

# Trichromacy



**Original Color**  
456C59

**Protanomaly**  
5C6656

**Deuteranomaly**  
60645B

**Tritanomaly**  
486A68

# Monochromacy



**Original Color**  
456C59

**Achromatopsia**  
5E5E5E

**Achromatomaly**  
55635C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 456C59 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 #456C59 looks like.

```
.text, #text, p{  
    color:#456C59  
}
```

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 #456C59 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #456C59
}
```

## Border

The CSS property to change the border of an element to Hex 456C59 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
#456C59 }
```

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

```
.border{ border-color:#456C59 }
```

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

Here you see how a box with a 4 pixel #456C59 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #456C59; -webkit-box-shadow:4px 4px  
4px 4px #456C59; box-shadow:4px 4px 4px  
4px #456C59 }
```

# Background

The CSS property to change the background color of an element to Hex 456C59 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#456C59 }
```

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

```
.background{ background-color:#456C59 }
```

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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