

# Converting Colors

Hex(456E81)

Have a look what the booklet for  
Hex(456E81) contains.

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# Color

**Hex(456E81)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	456E81
RGB	69, 110, 129
RGB Percent	27%, 43%, 51%
CMY	0.7294, 0.5686, 0.4941
CMYK	0.47, 0.15, 0.00, 0.49
HSL	199°, 30%, 39%
HSV	199°, 47%, 51%
XYZ	11.9926, 14.0020, 22.8395
YIQ	99.9070, -30.5350, -2.7830

# Conversions

## Conversions Part 2

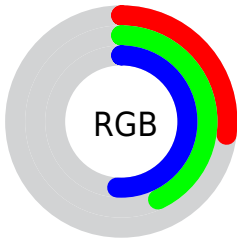
<b>Format</b>	<b>Color</b>
<b>RYB</b>	69, 93, 129
Decimal	4550273
CIELab	44.24, -8.86, -14.98
CIELCh	44, 17.401, 239.406
Yxy	14.0020, 0.2456, 0.2867
Android (android.graphics.Color)	4282740353 (0xFF456E81)
YUV	99.9070, 14.3428, -27.1054
Hunter-Lab	37.4193, -8.2758, -9.9951

# Details

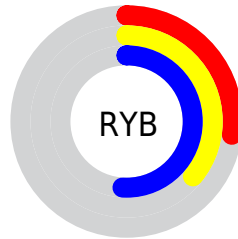
The Hex color **456E81** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **815845**, and the grayscale version is **646464**.

A 20% lighter version of the original color is **79A2B6**, and **0F3E50** is the 20% darker color. If you saturate the color by 10%, you get **386A81**, and if you desaturate by 10%, it is **527281**.

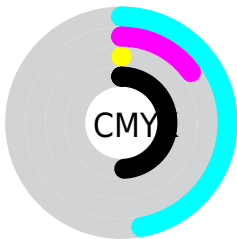
# Distribution



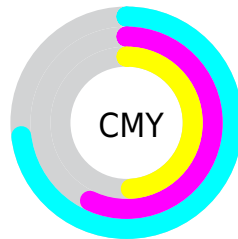
- Red (27%)
- Green (43%)
- Blue (51%)



- Red (27%)
- Yellow (36%)
- Blue (51%)



- Cyan (47%)
- Magenta (15%)
- Yellow (0%)
- Black (49%)



- Cyan (73%)
- Magenta (57%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 456E81 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 456E81 by changing the saturation by 10% instead.



■ 456E81

■ 456E81

FFFFFF

■ 2C5668

■ 79A2B6

■ 0F3E50

■ 93BDD1

■ 002939

■ AFD8EE

■ 001523

■ CBF5FF

■ 00000C

■ E7FFFF

■ 000000

■ 456E81

■ 456E81

■ 386A81

■ 527281

■ 2B6681

■ 5F7681

■ 1E6281

■ 6C7A81

■ 115E81

■ 797E81

■ 055A81

■ 868281

■ 005881

■ 928781

■ 9F8B81

■ AC8F81

■ B99381

# Harmonies

## Analogous

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



3E7076



456E81



566A85

# Triad

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



456E81



845E69



646C4F

# Complementary

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



456E81



815845

# 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.



74684C



456E81



865F5B

# Square

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



456E81



7B6078



806350



536F59

# Rectangle

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



456E81



646784



806350



696B4D



# Sweetspot

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



456E81



91A1A8



458158



465054



D4D4D4



545454



# Same Dimension

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



456E81



4A8AA8



455081



393E40



005780



000000



# Inverse Universe

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



81456E



A84A8A



817645



40393E



800057



000000



# Previews

## White Background



This preview shows how the Hex color 456E81 looks on a white background.

## Color Contrast Check

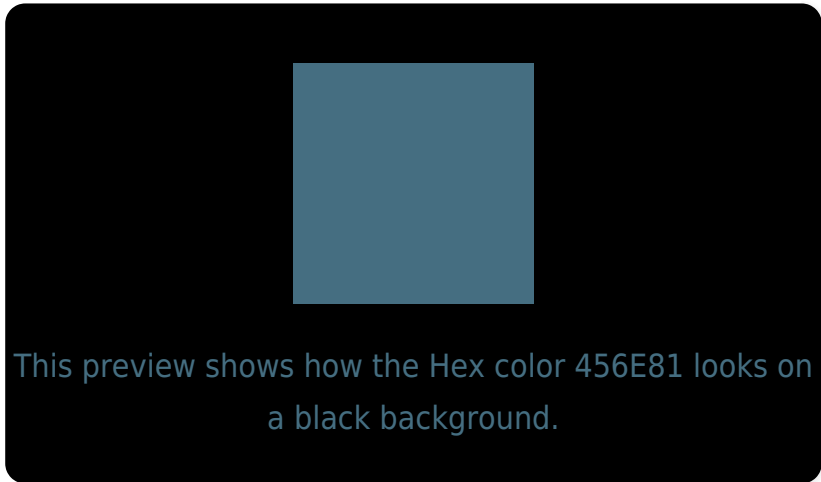
Large Text (above 18pt) WCAG AA ✓ Pass

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

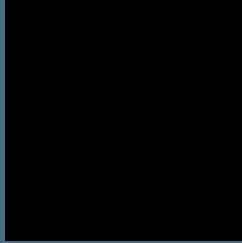
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 456E81 Background



This preview shows how black text looks on a background with the Hex color 456E81.

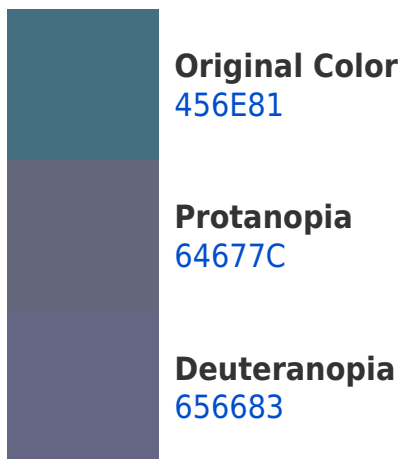


This preview shows how white text looks on a background with the Hex color 456E81.

# 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**  
426F78

# Trichromacy



**Original Color**  
456E81

**Protanomaly**  
596A7E

**Deuteranomaly**  
596982

**Tritanomaly**  
436F7B

# Monochromacy



**Original Color**  
456E81

**Achromatopsia**  
646464

**Achromatomaly**  
59686F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 456E81 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 #456E81 looks like.

```
.text, #text, p{  
    color:#456E81  
}
```

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 #456E81 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #456E81
}
```

## Border

The CSS property to change the border of an element to Hex 456E81 is called "border". The border property can be set on classes, ids or directly on the HTML element.

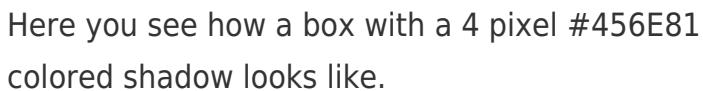
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#456E81 }
```

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

```
.border{ border-color:#456E81 }
```

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



Here you see how a box with a 4 pixel #456E81 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #456E81; -webkit-box-shadow:4px 4px  
4px 4px #456E81; box-shadow:4px 4px 4px  
4px #456E81 }
```

# Background

The CSS property to change the background color of an element to Hex 456E81 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#456E81 }
```

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

```
.background{ background-color:#456E81 }
```

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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