

Converting Colors

Hex(456E71)

Have a look what the booklet for
Hex(456E71) contains.

Hex(456E71)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(456E71)

Conversions

Conversions Part 1

Format	Color
Hex	456E71
RGB	69, 110, 113
RGB Percent	27%, 43%, 44%
CMY	0.7294, 0.5686, 0.5569
CMYK	0.39, 0.03, 0.00, 0.56
HSL	184°, 24%, 36%
HSV	184°, 39%, 44%
XYZ	11.0108, 13.6093, 17.6693
YIQ	98.0830, -25.3990, -7.7590

Conversions

Conversions Part 2

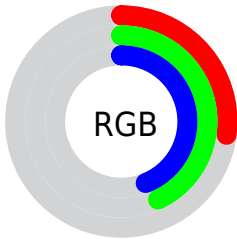
Format	Color
R_{YB}	69, 90, 113
Decimal	4550257
CIE _{Lab}	43.67, -13.44, -6.21
CIE _{LCh}	44, 14.812, 204.808
Yxy	13.6093, 0.2604, 0.3218
Android (android.graphics.Color)	4282740337 (0xFF456E71)
YUV	98.0830, 7.3541, -25.5058
Hunter-Lab	36.8908, -11.2820, -2.5741

Details

The Hex color **456E71** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **714845**, and the grayscale version is **626262**.

A 20% lighter version of the original color is **78A2A5**, and **133E41** is the 20% darker color. If you saturate the color by 10%, you get **3A6D71**, and if you desaturate by 10%, it is **506F71**.

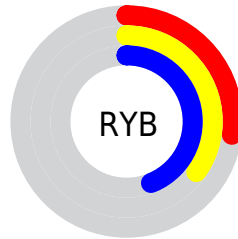
Distribution



Red (27%)

Green (43%)

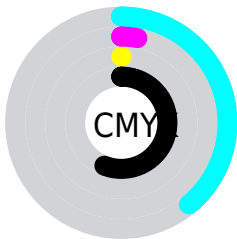
Blue (44%)



Red (27%)

Yellow (35%)

Blue (44%)

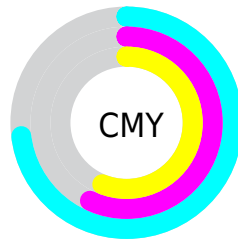


Cyan (39%)

Magenta (3%)

Yellow (0%)

Black (56%)



Cyan (73%)

Magenta (57%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Hex color 456E71 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 456E71 by changing the saturation by 10% instead.

■ 456E71

■ 456E71

FFFFFF

■ 2D5659

■ 78A2A5

■ 133E41

■ 92BDC0

■ 00282B

■ ADD9DC

■ 001517

■ C9F5F8

■ 000000

■ E5FFFF

■ 456E71

■ 456E71

■ 3A6D71

■ 506F71

■ 2E6C71

■ 5C7071

■ 236C71

■ 677071

■ 186B71

■ 727171

■ 0C6A71

■ 7E7271

■ 016971

■ 897371

■ 006971

■ 947371

■ 9F7471

■ AB7571

Harmonies

Analogous

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



4B6E65



456E71



496C7B

Triad

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



456E71



756175



73664F

Complementary

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



456E71



714845

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.



7C6254



456E71



7E5F6A

Square

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



456E71



67657D



815F5D



666A51

Rectangle

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



456E71



516A7F



815F5D



766450

Sweetspot

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



456E71



829394



457148



40494A



C9C9C9



4A4A4A

Same Dimension

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



456E71



4E8F94



455871



323838



007078



00E6F7

Inverse Universe

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



71456E



944E8F



715E45



383238



780070



F700E6

Previews

White Background



This preview shows how the Hex color 456E71 looks on a white background.

Color Contrast Check

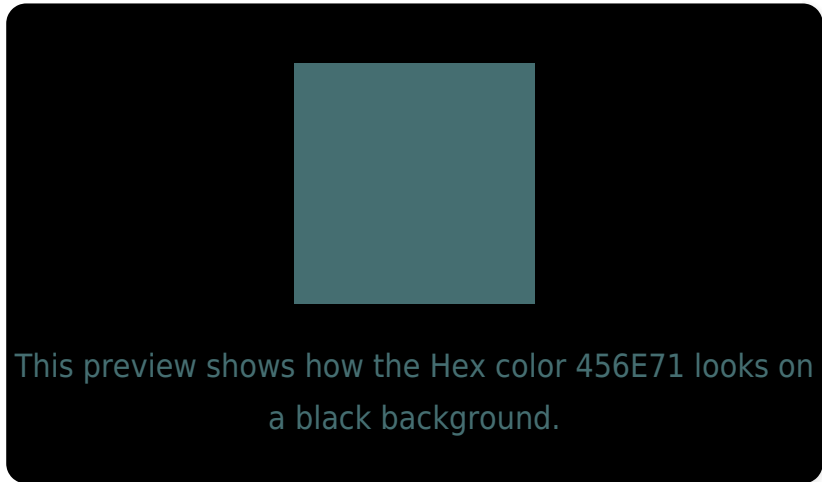
Large Text (above 18pt) WCAG AA ✓ Pass

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

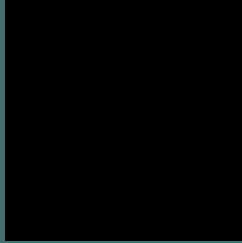
Any Text WCAG AA × Fail

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 456E71 Background



This preview shows how black text looks on a background with the Hex color 456E71.

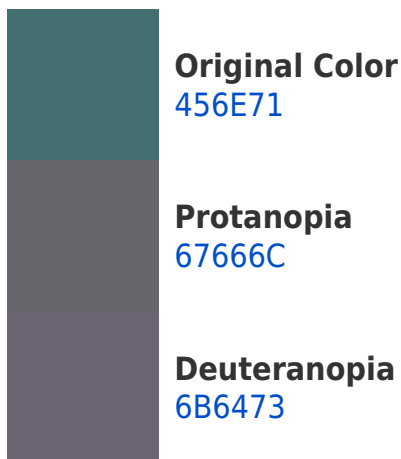


This preview shows how white text looks on a background with the Hex color 456E71.

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](#).

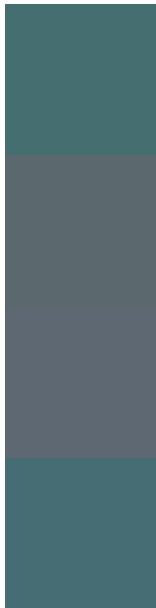
Dichromacy





Tritanopia
466D76

Trichromacy



Original Color
456E71

Protanomaly
5B696E

Deuteranomaly
5D6872

Tritanomaly
466D74

Monochromacy



Original Color
456E71

Achromatopsia
626262

Achromatomaly
576667

CSS Examples

Text

The CSS property to change the color of the text to Hex 456E71 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 #456E71 looks like.

```
.text, #text, p{  
    color:#456E71  
}
```

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 #456E71 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #456E71  
}
```

Border

The CSS property to change the border of an element to Hex 456E71 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  
#456E71 }
```

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

```
.border{ border-color:#456E71 }
```

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

Here you see how a box with a 4 pixel #456E71 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #456E71; -webkit-box-shadow:4px 4px  
4px 4px #456E71; box-shadow:4px 4px 4px  
4px #456E71 }
```

Background

The CSS property to change the background color of an element to Hex 456E71 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#456E71 }
```

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

```
.background{ background-color:#456E71 }
```

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