

# Converting Colors

Hex(456B86)

Have a look what the booklet for  
Hex(456B86) contains.

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# Color

Hex(456B86)

# Conversions

## Conversions Part 1

Format	Color
Hex	456B86
RGB	69, 107, 134
RGB Percent	27%, 42%, 53%
CMY	0.7294, 0.5804, 0.4745
CMYK	0.49, 0.20, 0.00, 0.47
HSL	205°, 32%, 40%
HSV	205°, 49%, 53%
XYZ	12.0150, 13.5018, 24.5271
YIQ	98.7160, -31.3150, 0.3410

# Conversions

## Conversions Part 2

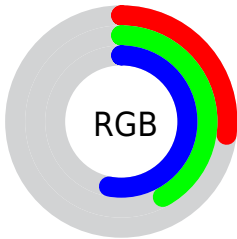
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	69, 93, 134
Decimal	4549510
CIE <sub>Lab</sub>	43.51, -5.57, -19.09
CIE <sub>LCh</sub>	44, 19.884, 253.731
Yxy	13.5018, 0.2401, 0.2698
Android (android.graphics.Color)	4282739590 (0xFF456B86)
YUV	98.7160, 17.3950, -26.0609
Hunter-Lab	36.7448, -5.9366, -13.8546

# Details

The Hex color **456B86** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **866045**, and the grayscale version is **636363**.

A 20% lighter version of the original color is **799EBB**, and **0E3C54** is the 20% darker color. If you saturate the color by 10%, you get **386586**, and if you desaturate by 10%, it is **527186**.

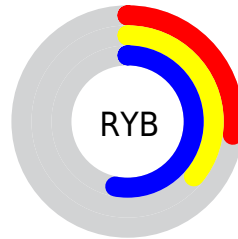
# Distribution



Red (27%)

Green (42%)

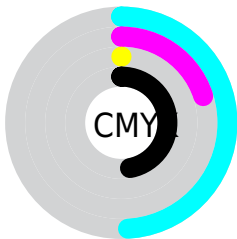
Blue (53%)



Red (27%)

Yellow (36%)

Blue (53%)

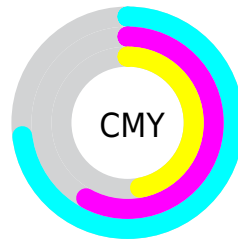


Cyan (49%)

Magenta (20%)

Yellow (0%)

Black (47%)



Cyan (73%)

Magenta (58%)

Yellow (47%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 456B86 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 456B86 by changing the saturation by 10% instead.



■ 456B86

■ 456B86

FFFFFF

■ 2B536D

■ 799EBB

■ 0E3C54

■ 94B9D7

■ 00263D

■ AFD5F3

■ 001227

■ CBF1FF

■ 000112

■ E8FFFF

■ 000000

■ 456B86

■ 456B86

■ 386586

■ 527186

■ 2A6086

■ 607686

■ 1D5A86

■ 6D7C86

■ 0F5586

■ 7B8186

■ 024F86

■ 888786

■ 004E86

■ 958C86

■ A39286

■ B09886

■ BE9D86

# Harmonies

## Analogous

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



356F7D



456B86



5D6687

# Triad

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



456B86



885B60



586D4F

# Complementary

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



456B86



866045

# 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.



6B6847



456B86



855E51

# Square

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



456B86



825C70



7B6347



456F5D

# Rectangle

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



456B86



6C6282



7B6347



5F6B4B



# Sweetspot

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



456B86



93A3AD



45865F



475057



D6D6D6



575757



# Same Dimension

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



456B86



4984AD



454B86



3C4042



004C82



000103



# Inverse Universe

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



86456B



AD4984



868045



423C40



82004C



030001



# Previews

## White Background



This preview shows how the Hex color 456B86 looks on a white background.

## Color Contrast Check

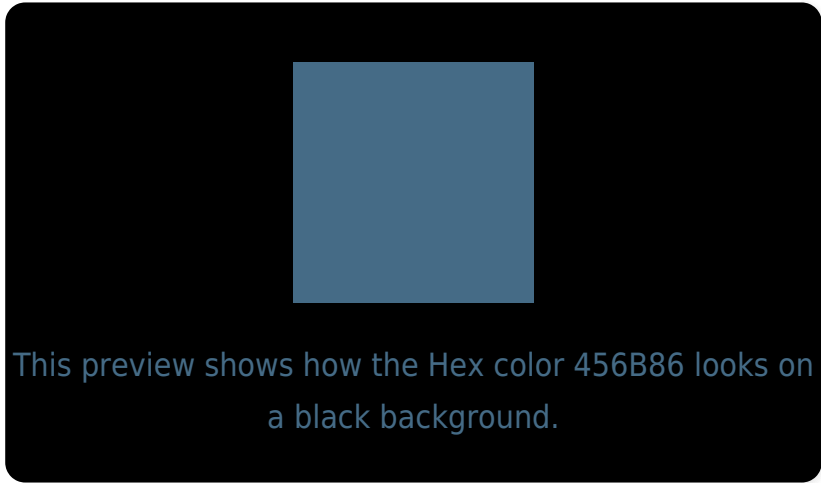
Large Text (above 18pt) WCAG AA ✓ Pass

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

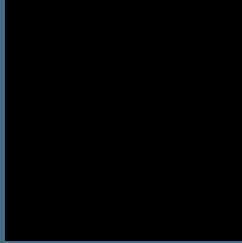
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

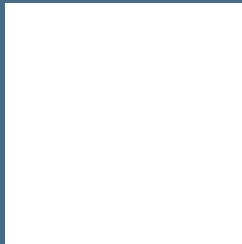
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 456B86 Background



This preview shows how black text looks on a background with the Hex color 456B86.

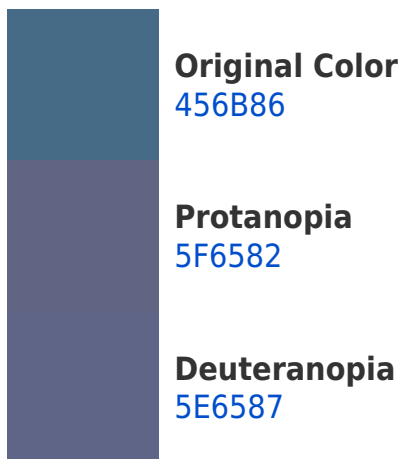


This preview shows how white text looks on a background with the Hex color 456B86.

# 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**  
406E77

# Trichromacy



**Original Color**  
456B86

**Protanomaly**  
566783

**Deuteranomaly**  
556787

**Tritanomaly**  
426D7C

# Monochromacy



**Original Color**  
456B86

**Achromatopsia**  
636363

**Achromatomaly**  
586670

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 456B86 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 #456B86 looks like.

```
.text, #text, p{  
    color:#456B86  
}
```

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 #456B86 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #456B86
}
```

## Border

The CSS property to change the border of an element to Hex 456B86 is called "border". The border property can be set on classes, ids or directly on the HTML element.

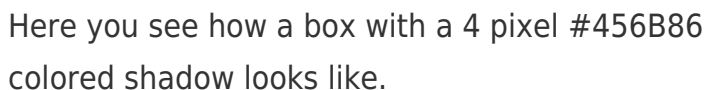
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#456B86 }
```

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

```
.border{ border-color:#456B86 }
```

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



Here you see how a box with a 4 pixel #456B86 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #456B86; -webkit-box-shadow:4px 4px  
4px 4px #456B86; box-shadow:4px 4px 4px  
4px #456B86 }
```

# Background

The CSS property to change the background color of an element to Hex 456B86 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#456B86 }
```

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

```
.background{ background-color:#456B86 }
```

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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