

# Converting Colors

Hex(457891)

Have a look what the booklet for  
Hex(457891) contains.

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# Color

**Hex(457891)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	457891
RGB	69, 120, 145
RGB Percent	27%, 47%, 57%
CMY	0.7294, 0.5294, 0.4314
CMYK	0.52, 0.17, 0.00, 0.43
HSL	200°, 36%, 42%
HSV	200°, 52%, 57%
XYZ	14.2815, 16.7425, 29.2670
YIQ	107.6010, -38.4210, -3.0370

# Conversions

## Conversions Part 2

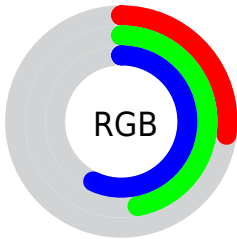
Format	Color
R <sub>YB</sub>	69, 100, 145
Decimal	4552849
CIE <sub>Lab</sub>	47.93, -9.76, -18.84
CIE <sub>LCh</sub>	48, 21.220, 242.615
Yxy	16.7425, 0.2369, 0.2777
Android (android.graphics.Color)	4282742929 (0xFF457891)
YUV	107.6010, 18.4377, -33.8531
Hunter-Lab	40.9176, -9.3035, -13.7658

# Details

The Hex color **457891** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **915E45**, and the grayscale version is **6B6B6B**.

A 20% lighter version of the original color is **7AACC7**, and **06485E** is the 20% darker color. If you saturate the color by 10%, you get **377391**, and if you desaturate by 10%, it is **537D91**.

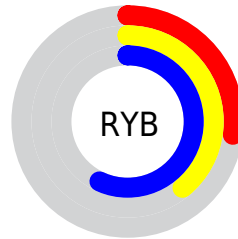
# Distribution



Red (27%)

Green (47%)

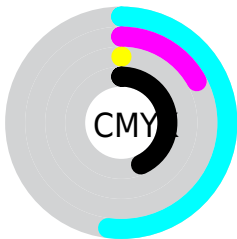
Blue (57%)



Red (27%)

Yellow (39%)

Blue (57%)

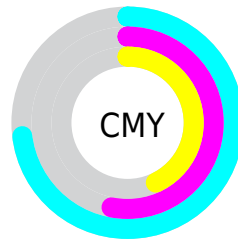


Cyan (52%)

Magenta (17%)

Yellow (0%)

Black (43%)



Cyan (73%)

Magenta (53%)

Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 457891 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 457891 by changing the saturation by 10% instead.



■ 457891

■ 457891

FFFFFF

■ 2A5F77

■ 7AACC7

■ 06485E

■ 96C8E3

■ 003147

■ B1E4FF

■ 001C30

■ CEFFFF

■ 00011C

■ EAFFFF

■ 000000

■ 457891

■ 457891

■ 377391

■ 537D91

■ 286E91

■ 628291

■ 196A91

■ 718691

■ 0B6591

■ 7F8B91

■ 006191

■ 8D9091

■ 9C9591

■ AB9991

■ B99E91

■ C8A391

# Harmonies

## Analogous

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



3A7B84



457891



5D7395

# Triad

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



457891



946571



6A7653

# Complementary

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



457891



915E45

# 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.



7D714E



457891



95665F

# Square

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



457891



8A6783



8C6B53



557A61

# Rectangle

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



457891



6E6F93



8C6B53



707550



# Sweetspot

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



457891



9FB3BD



45915D



4C585E



DEDEDE



5E5E5E



# Same Dimension

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



457891



4696BD



455391



404547



005B87



000508



# Inverse Universe

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



914578



BD4696



918345



474045



87005B



080005



# Previews

## White Background



This preview shows how the Hex color 457891 looks on a white background.

## Color Contrast Check

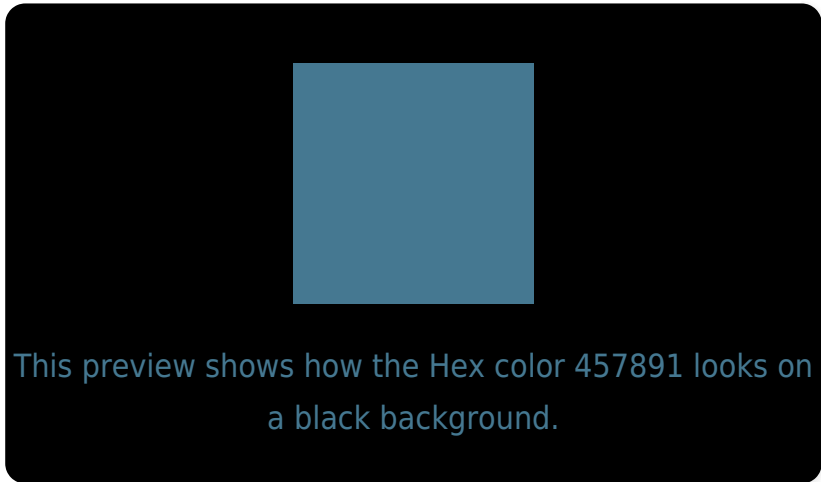
Large Text (above 18pt) WCAG AA ✓ Pass

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

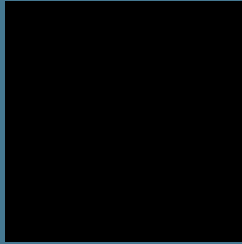
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 457891 Background



This preview shows how black text looks on a background with the Hex color 457891.

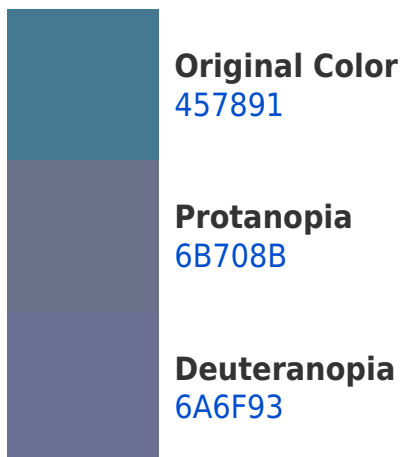



This preview shows how white text looks on a background with the Hex color 457891.

# 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](#).

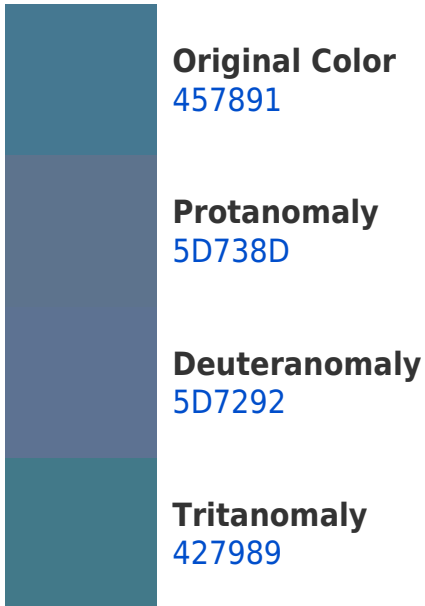
## Dichromacy



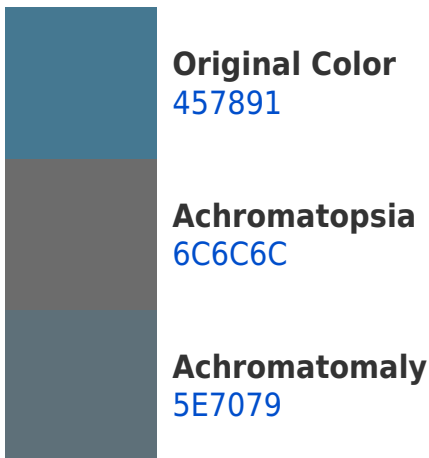


**Tritanopia**  
407A84

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 457891 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 #457891 looks like.

```
.text, #text, p{  
    color:#457891  
}
```

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 #457891 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #457891
}
```

## Border

The CSS property to change the border of an element to Hex 457891 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
#457891 }
```

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

```
.border{ border-color:#457891 }
```

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

Here you see how a box with a 4 pixel #457891 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #457891; -webkit-box-shadow:4px 4px  
4px 4px #457891; box-shadow:4px 4px 4px  
4px #457891 }
```

# Background

The CSS property to change the background color of an element to Hex 457891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#457891 }
```

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

```
.background{ background-color:#457891 }
```

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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