

# Converting Colors

Hex(457A91)

Have a look what the booklet for  
Hex(457A91) contains.

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# Color

**Hex(457A91)**

# Conversions

## Conversions Part 1

Format	Color
Hex	457A91
RGB	69, 122, 145
RGB Percent	27%, 48%, 57%
CMY	0.7294, 0.5216, 0.4314
CMYK	0.52, 0.16, 0.00, 0.43
HSL	198°, 36%, 42%
HSV	198°, 52%, 57%
XYZ	14.5246, 17.2286, 29.3480
YIQ	108.7750, -38.9710, -4.0830

# Conversions

## Conversions Part 2

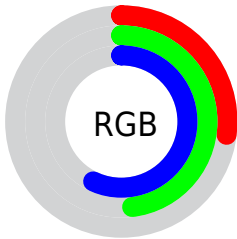
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	69, 100, 145
Decimal	4553361
CIE Lab	48.55, -10.90, -17.90
CIE LCh	49, 20.963, 238.661
Yxy	17.2286, 0.2377, 0.2820
Android (android.graphics.Color)	4282743441 (0xFF457A91)
YUV	108.7750, 17.8589, -34.8827
Hunter-Lab	41.5074, -10.1756, -12.8661

# Details

The Hex color **457A91** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **915C45**, and the grayscale version is **6D6D6D**.

A 20% lighter version of the original color is **7AAEC7**, and **06495E** is the 20% darker color. If you saturate the color by 10%, you get **377691**, and if you desaturate by 10%, it is **537E91**.

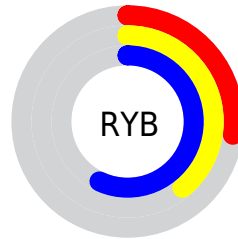
# Distribution



Red (27%)

Green (48%)

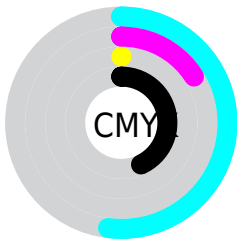
Blue (57%)



Red (27%)

Yellow (39%)

Blue (57%)

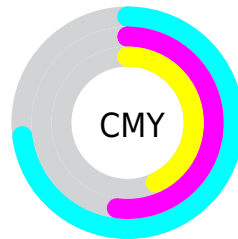


Cyan (52%)

Magenta (16%)

Yellow (0%)

Black (43%)



Cyan (73%)

Magenta (52%)

Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 457A91 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 457A91 by changing the saturation by 10% instead.



■ 457A91

■ 457A91

FFFFFF

■ 2A6177

■ 7AAEC7

■ 06495E

■ 96CAE3

■ 003347

■ B1E6FF

■ 001E30

■ CEFFFF

■ 00011C

■ EBFFFF

■ 000000

■ 457A91

■ 457A91

■ 377691

■ 537E91

■ 287191

■ 628391

■ 196D91

■ 718791

■ 0B6891

■ 7F8C91

■ 006591

■ 8D9091

■ 9C9491

■ AB9991

■ B99D91

■ C8A191

# Harmonies

## Analogous

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



3D7D84



457A91



5C7596

# Triad

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



457A91



956675



6E7754

# Complementary

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



457A91



915C45

# 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.



817250



457A91



976763

# Square

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



457A91



896986



8F6C56



5A7B60

# Rectangle

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



457A91



6D7195



8F6C56



757651



# Sweetspot

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



457A91



9FB4BD



45915C



4C595E



DEDEDE



5E5E5E



# Same Dimension

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



457A91



4699BD



455491



404547



005E87



000508



# Inverse Universe

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



91457A



BD4699



918245



474045



87005E



080005



# Previews

## White Background



This preview shows how the Hex color 457A91 looks on a white background.

## Color Contrast Check

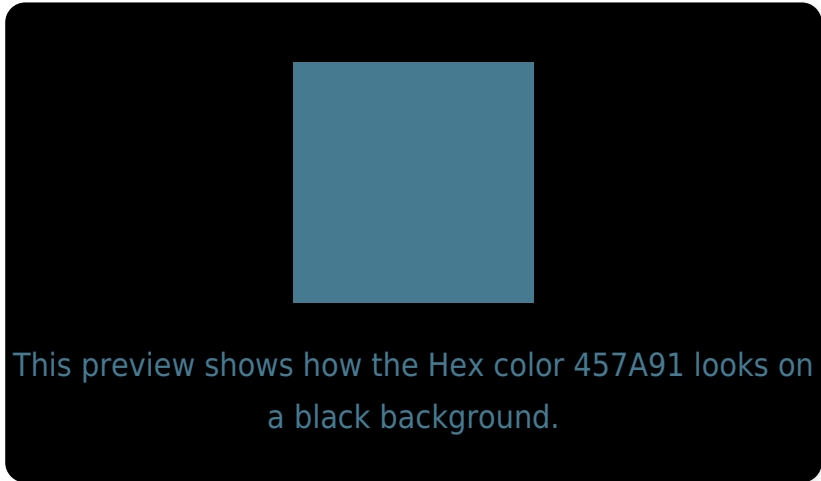
Large Text (above 18pt) WCAG AA ✓ Pass

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

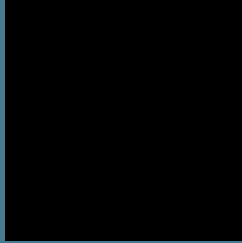
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 457A91 Background



This preview shows how black text looks on a background with the Hex color 457A91.

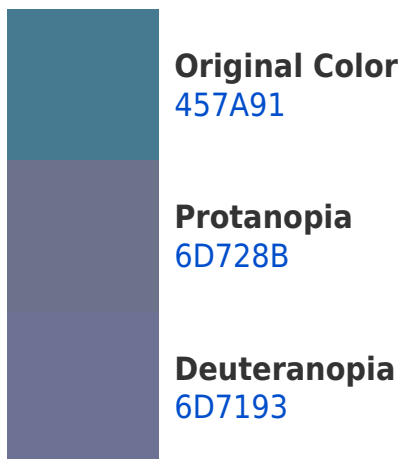



This preview shows how white text looks on a background with the Hex color 457A91.

# 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](#).

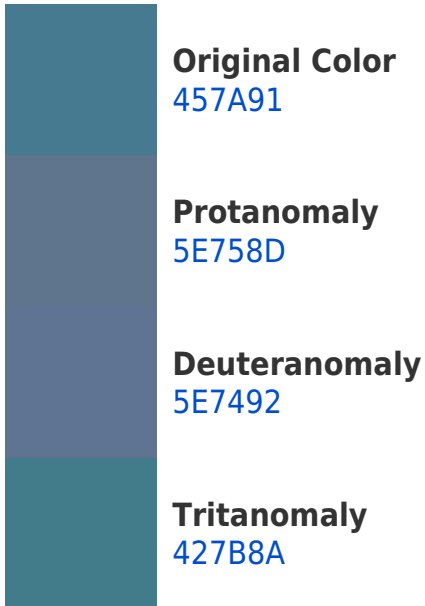
## Dichromacy



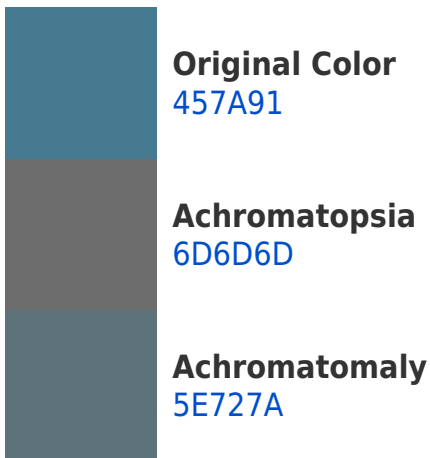


**Tritanopia**  
417C86

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 457A91 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 #457A91 looks like.

```
.text, #text, p{  
    color:#457A91  
}
```

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 #457A91 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #457A91
}
```

## Border

The CSS property to change the border of an element to Hex 457A91 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
#457A91 }
```

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

```
.border{ border-color:#457A91 }
```

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

Here you see how a box with a 4 pixel #457A91 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #457A91; -webkit-box-shadow:4px 4px  
4px 4px #457A91; box-shadow:4px 4px 4px  
4px #457A91 }
```

# Background

The CSS property to change the background color of an element to Hex 457A91 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#457A91 }
```

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

```
.background{ background-color:#457A91 }
```

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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