

# Converting Colors

Hex(478E91)

Have a look what the booklet for  
Hex(478E91) contains.

<b>Hex(478E91)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(478E91)**

# Conversions

## Conversions Part 1

Format	Color
Hex	478E91
RGB	71, 142, 145
RGB Percent	28%, 56%, 57%
CMY	0.7216, 0.4431, 0.4314
CMYK	0.51, 0.02, 0.00, 0.43
HSL	182°, 34%, 42%
HSV	182°, 51%, 57%
XYZ	17.3824, 22.7299, 30.2592
YIQ	121.1130, -43.2790, -14.1190

# Conversions

## Conversions Part 2

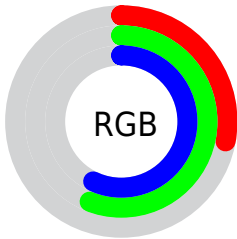
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	71, 107, 145
Decimal	4689553
CIE <sub>Lab</sub>	54.79, -21.33, -8.46
CIE <sub>LCh</sub>	55, 22.949, 201.629
Yxy	22.7299, 0.2470, 0.3230
Android (android.graphics.Color)	4282879633 (0xFF478E91)
YUV	121.1130, 11.7763, -43.9491
Hunter-Lab	47.6759, -18.3528, -4.2574

# Details

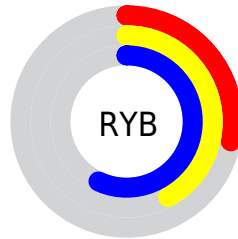
The Hex color **478E91** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **914A47**, and the grayscale version is **797979**.

A 20% lighter version of the original color is **7DC4C7**, and **035B5F** is the 20% darker color. If you saturate the color by 10%, you get **398D91**, and if you desaturate by 10%, it is **568F91**.

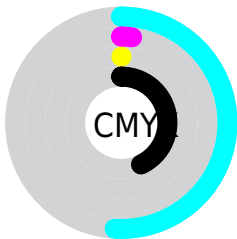
# Distribution



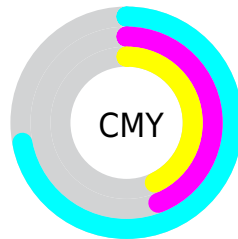
- Red (28%)
- Green (56%)
- Blue (57%)



- Red (28%)
- Yellow (42%)
- Blue (57%)



- Cyan (51%)
- Magenta (2%)
- Yellow (0%)
- Black (43%)



- Cyan (72%)
- Magenta (44%)
- Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 478E91 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 478E91 by changing the saturation by 10% instead.





478E91



478E91

FFFFFF



2B7477



7DC4C7



035B5F



99E0E3



004447



B5FDFF



002D31



D2FFFF



001A1C



FFFFFF



000000



478E91



478E91



398D91



568F91



2A8D91



648F91

■ 1C8C91

■ 739091

■ 0D8C91

■ 819091

■ 008B91

■ 909191

■ 9E9291

■ AD9291

■ BB9391

■ CA9391

# Harmonies

## Analogous

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



568E7D



478E91



4B8CA2

# Triad

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



478E91



97799C



97805C

# Complementary

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



478E91



914A47

# 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.



A57965



478E91



A7758A

# Square

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



478E91



7F80A8



AB7575



82865E

# Rectangle

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



478E91



5989A8



AB7575



9C7E5E



# Sweetspot

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



478E91



A0BCBD



479149



4D5E5E



DEDEDE



5E5E5E



# Same Dimension

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



478E91



4AB8BD



476A91



404747



008287



000708



# Inverse Universe

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



91478E



BD4AB8



916E47



474047



870082

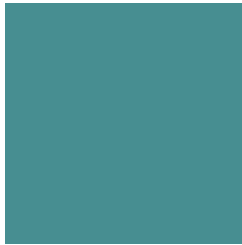


080007



# Previews

## White Background



This preview shows how the Hex color 478E91 looks on a white background.

## Color Contrast Check

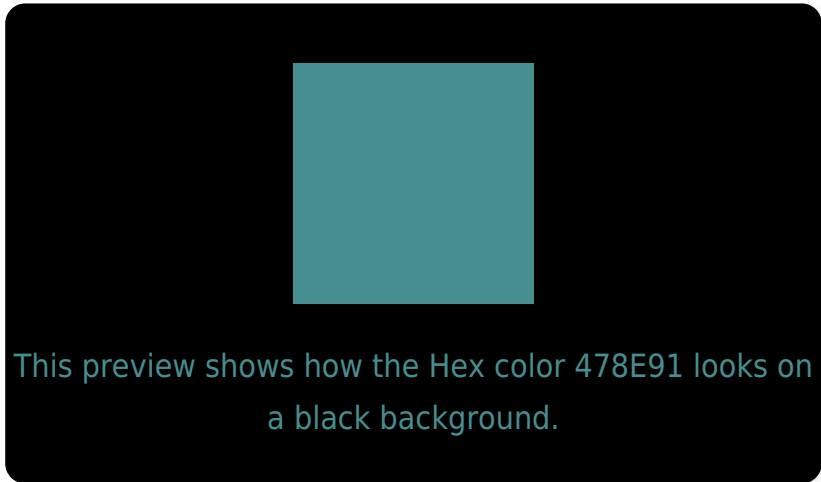
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

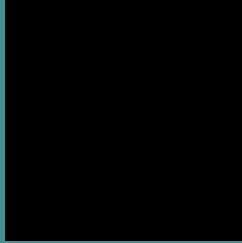
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 478E91 Background



This preview shows how black text looks on a background with the Hex color 478E91.

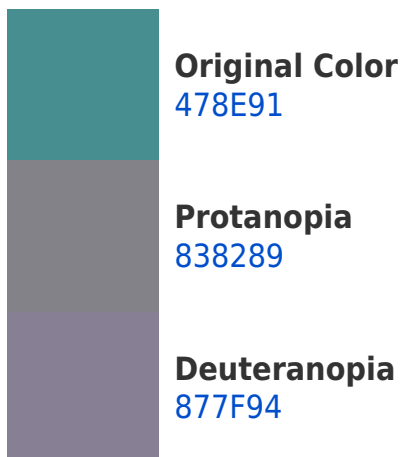



This preview shows how white text looks on a background with the Hex color 478E91.

# 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**  
4A8D98

# Trichromacy



**Original Color**  
478E91

**Protanomaly**  
6D868C

**Deuteranomaly**  
708493

**Tritanomaly**  
498D95

# Monochromacy



**Original Color**  
478E91

**Achromatopsia**  
797979

**Achromatomaly**  
678182

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 478E91 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 #478E91 looks like.

```
.text, #text, p{  
    color:#478E91  
}
```

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 #478E91 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #478E91
}
```

## Border

The CSS property to change the border of an element to Hex 478E91 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
#478E91 }
```

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

```
.border{ border-color:#478E91 }
```

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

Here you see how a box with a 4 pixel #478E91 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #478E91; -webkit-box-shadow:4px 4px  
4px 4px #478E91; box-shadow:4px 4px 4px  
4px #478E91 }
```

# Background

The CSS property to change the background color of an element to Hex 478E91 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#478E91 }
```

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

```
.background{ background-color:#478E91 }
```

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