

# Converting Colors

Hex(588E91)

Have a look what the booklet for  
Hex(588E91) contains.

<b>Hex(588E91)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

**Hex(588E91)**

# Conversions

## Conversions Part 1

Format	Color
Hex	588E91
RGB	88, 142, 145
RGB Percent	35%, 56%, 57%
CMY	0.6549, 0.4431, 0.4314
CMYK	0.39, 0.02, 0.00, 0.43
HSL	183°, 24%, 46%
HSV	183°, 39%, 57%
XYZ	18.8083, 23.4650, 30.3260
YIQ	126.1960, -33.1470, -10.5150

# Conversions

## Conversions Part 2

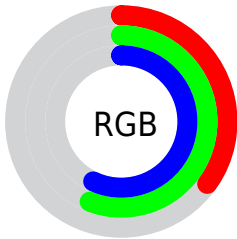
<b>Format</b>	<b>Color</b>
<b>RYB</b>	88, 116, 145
Decimal	5803665
CIELab	55.55, -17.03, -7.25
CIELCh	56, 18.510, 203.068
Yxy	23.4650, 0.2591, 0.3232
Android (android.graphics.Color)	4283993745 (0xFF588E91)
YUV	126.1960, 9.2704, -33.4979
Hunter-Lab	48.4407, -15.4641, -3.2096

# Details

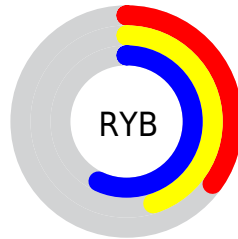
The Hex color **588E91** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **915B58**, and the grayscale version is **7E7E7E**.

A 20% lighter version of the original color is **8DC4C7**, and **245C5F** is the 20% darker color. If you saturate the color by 10%, you get **4A8D91**, and if you desaturate by 10%, it is **668F91**.

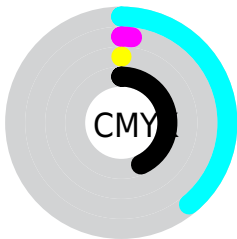
# Distribution



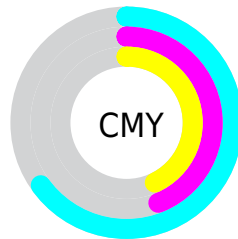
- Red (35%)
- Green (56%)
- Blue (57%)



- Red (35%)
- Yellow (45%)
- Blue (57%)



- Cyan (39%)
- Magenta (2%)
- Yellow (0%)
- Black (43%)



- Cyan (65%)
- Magenta (44%)
- Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 588E91 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 588E91 by changing the saturation by 10% instead.





588E91



588E91

FFFFFF



3E7477



8DC4C7



245C5F



A8E0E3



034447



C4FDFF



002D31



E0FFFF



001A1C

FEFFFF



000000



588E91



588E91



4A8D91



668F91



3B8C91



759091

■ 2D8C91

■ 849091

■ 1E8B91

■ 929191

■ 0F8A91

■ A19291

■ 018991

■ AF9391

■ 008991

■ BE9391

■ CC9491

■ DB9591

# Harmonies

## Analogous

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



618E81



588E91



5C8C9E

# Triad

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



588E91



967D99



958365

# Complementary

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



588E91



915B58

# 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.



A17E6C



588E91



A37A89

# Square

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



588E91



8382A2



A67A79



848867

# Rectangle

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



588E91



6789A3



A67A79



998167



# Sweetspot

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



588E91



A6BCBD



58915B



515E5E



DEDEDE



5E5E5E



# Same Dimension

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



588E91



64B8BD



587291



404747



008087



000708



# Inverse Universe

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



91588E



BD64B8



917758



474047



870080



080007



# Previews

## White Background



This preview shows how the Hex color 588E91 looks on a white background.

## Color Contrast Check

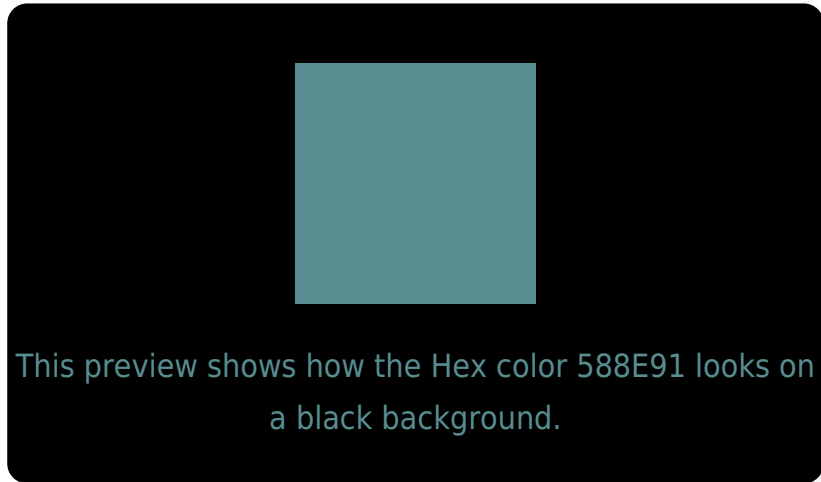
Large Text (above 18pt) WCAG AA ✓ Pass

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

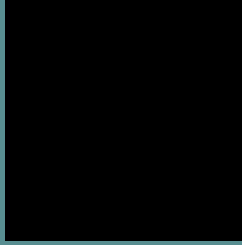
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 588E91 Background



This preview shows how black text looks on a background with the Hex color 588E91.

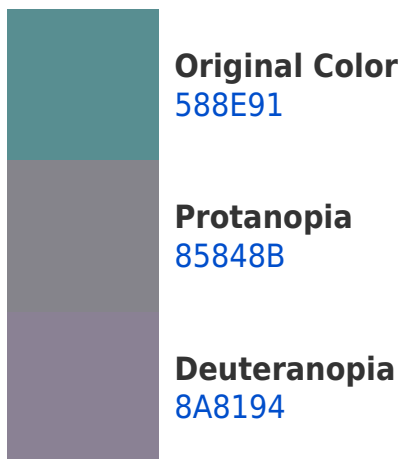


This preview shows how white text looks on a background with the Hex color 588E91.

# 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**  
5A8D98

# Trichromacy



**Original Color**  
588E91

**Protanomaly**  
75888D

**Deuteranomaly**  
788693

**Tritanomaly**  
598D95

# Monochromacy



**Original Color**  
588E91

**Achromatopsia**  
7E7E7E

**Achromatomaly**  
708485

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 588E91 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 #588E91 looks like.

```
.text, #text, p{  
    color:#588E91  
}
```

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 #588E91 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #588E91
}
```

## Border

The CSS property to change the border of an element to Hex 588E91 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
#588E91 }
```

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

```
.border{ border-color:#588E91 }
```

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

Here you see how a box with a 4 pixel #588E91 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #588E91; -webkit-box-shadow:4px 4px  
4px 4px #588E91; box-shadow:4px 4px 4px  
4px #588E91 }
```

# Background

The CSS property to change the background color of an element to Hex 588E91 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#588E91 }
```

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

```
.background{ background-color:#588E91 }
```

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