

# Converting Colors

Hex(575E7B)

Have a look what the booklet for  
Hex(575E7B) contains.

<b>Hex(575E7B)</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(575E7B)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	575E7B
RGB	87, 94, 123
RGB Percent	34%, 37%, 48%
CMY	0.6588, 0.6314, 0.5176
CMYK	0.29, 0.24, 0.00, 0.52
HSL	228°, 17%, 41%
HSV	228°, 29%, 48%
XYZ	11.5083, 11.4617, 20.3447
YIQ	95.2130, -13.4810, 7.5350

# Conversions

## Conversions Part 2

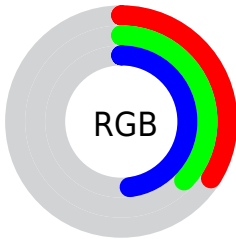
<b>Format</b>	<b>Color</b>
<b>RYB</b>	87, 93, 123
Decimal	5725819
CIELab	40.35, 4.48, -17.19
CIElCh	40, 17.763, 284.616
Yxy	11.4617, 0.2657, 0.2646
Android (android.graphics.Color)	4283915899 (0xFF575E7B)
YUV	95.2130, 13.6990, -7.2028
Hunter-Lab	33.8551, 1.4308, -11.9307

# Details

The Hex color **575E7B** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **7B7457**, and the grayscale version is **5F5F5F**.

A 20% lighter version of the original color is **8A90B0**, and **28304A** is the 20% darker color. If you saturate the color by 10%, you get **4B547B**, and if you desaturate by 10%, it is **63687B**.

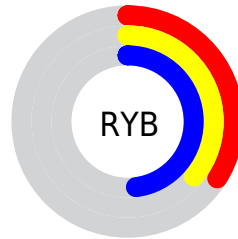
# Distribution



Red (34%)

Green (37%)

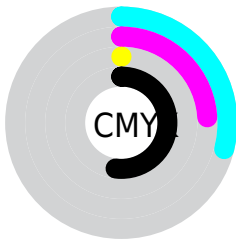
Blue (48%)



Red (34%)

Yellow (36%)

Blue (48%)

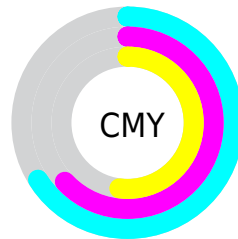


Cyan (29%)

Magenta (24%)

Yellow (0%)

Black (52%)



Cyan (66%)

Magenta (63%)

Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 575E7B 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 575E7B by changing the saturation by 10% instead.



■ 575E7B

■ 575E7B

FFFFFF

■ 3F4662

■ 8A90B0

■ 28304A

■ A4ABCB

■ 121B33

■ BFC6E7

■ 00001F

■ DBE2FF

■ 000001

■ F8FFFF

■ 000000

■ 575E7B

■ 575E7B

■ 4B547B

■ 63687B

■ 3E4A7B

■ 70727B

■ 32407B

■ 7C7C7B

■ 26367B

■ 88867B

■ 1A2C7B

■ 95907B

■ 0D237B

■ A1997B

■ 01197B

■ ADA37B

■ 00187B

■ B9AD7B

■ C6B77B

# Harmonies

## Analogous

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



43637B



575E7B



6A5974

# Triad

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



575E7B



7A574B



426757

# Complementary

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



575E7B



7B7457

# 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.



52644A



575E7B



705C43

# Square

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



575E7B



7C5558



626043



356766

# Rectangle

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



575E7B



74566C



626043



476652



# Sweetspot

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



575E7B



9295A1



577B74



494A52



D1D1D1



525252



# Same Dimension

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



575E7B



6873A1



62577B



37383D



00187D



0031FC



# Inverse Universe

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



7B575E



A16873



707B57



3D3738



7D0018



FC0031



# Previews

## White Background



This preview shows how the Hex color 575E7B looks on a white background.

## Color Contrast Check

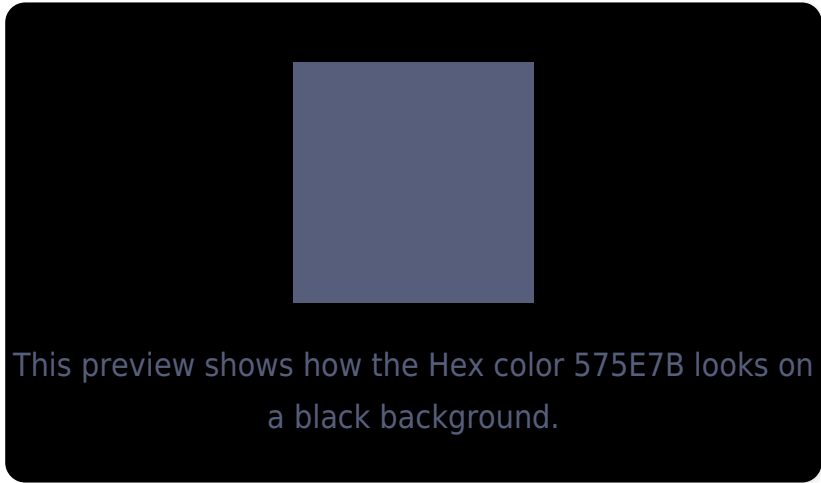
Large Text (above 18pt) WCAG AA ✓ Pass

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

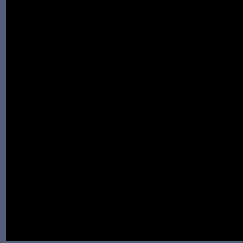
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

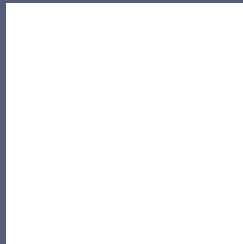
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 575E7B Background



This preview shows how black text looks on a background with the Hex color 575E7B.

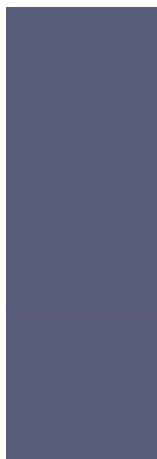


This preview shows how white text looks on a background with the Hex color 575E7B.

# 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



**Original Color**  
575E7B

**Protanopia**  
575E7B

**Deuteranopia**  
595D7B



**Tritanopia**  
536169

# Trichromacy



**Original Color**  
575E7B

**Protanomaly**  
575E7B

**Deuteranomaly**  
585D7B

**Tritanomaly**  
546070

# Monochromacy



**Original Color**  
575E7B

**Achromatopsia**  
5F5F5F

**Achromatomaly**  
5C5F69

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 575E7B 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 #575E7B looks like.

```
.text, #text, p{  
    color:#575E7B  
}
```

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 #575E7B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #575E7B
}
```

## Border

The CSS property to change the border of an element to Hex 575E7B 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
#575E7B }
```

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

```
.border{ border-color:#575E7B }
```

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

Here you see how a box with a 4 pixel #575E7B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #575E7B; -webkit-box-shadow:4px 4px  
4px 4px #575E7B; box-shadow:4px 4px 4px  
4px #575E7B }
```

# Background

The CSS property to change the background color of an element to Hex 575E7B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#575E7B }
```

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

```
.background{ background-color:#575E7B }
```

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