

# Converting Colors

Hex(7F87A5)

Have a look what the booklet for  
Hex(7F87A5) contains.

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# Color

Hex(7F87A5)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7F87A5
RGB	127, 135, 165
RGB Percent	50%, 53%, 65%
CMY	0.5020, 0.4706, 0.3529
CMYK	0.23, 0.18, 0.00, 0.35
HSL	227°, 17%, 57%
HSV	227°, 23%, 65%
XYZ	24.2079, 24.5566, 39.0613
YIQ	136.0280, -14.3980, 7.6340

# Conversions

## Conversions Part 2

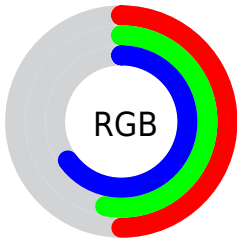
<b>Format</b>	<b>Color</b>
<b>RYB</b>	127, 134, 165
Decimal	8357797
CIELab	56.64, 3.83, -16.87
CIElCh	57, 17.297, 282.801
Yxy	24.5566, 0.2756, 0.2796
Android (android.graphics.Color)	4286547877 (0xFF7F87A5)
YUV	136.0280, 14.2832, -7.9176
Hunter-Lab	49.5546, 0.4784, -12.0470

# Details

The Hex color **7F87A5** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **A59D7F**, and the grayscale version is **888888**.

A 20% lighter version of the original color is **B4BCDC**, and **4D5571** is the 20% darker color. If you saturate the color by 10%, you get **6E7AA5**, and if you desaturate by 10%, it is **8F94A5**.

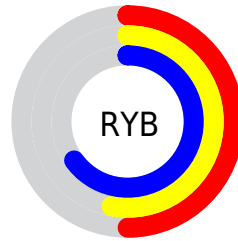
# Distribution



Red (50%)

Green (53%)

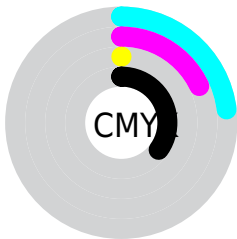
Blue (65%)



Red (50%)

Yellow (53%)

Blue (65%)

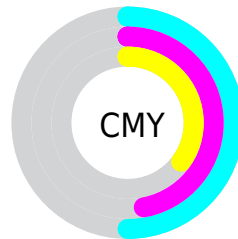


Cyan (23%)

Magenta (18%)

Yellow (0%)

Black (35%)



Cyan (50%)

Magenta (47%)

Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7F87A5 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 7F87A5 by changing the saturation by 10% instead.



■ 7F87A5

■ 7F87A5

FFFFFF

■ 666E8B

■ B4BCDC

■ 4D5571

■ D0D8F9

■ 363E59

■ ECF4FF

■ 1F2941

■ 08142B

■ 000116

■ 000000

■ 7F87A5

■ 7F87A5

■ 6E7AA5

■ 8F94A5

■ 5E6DA5

■ A0A1A5

■ 4E60A5

■ B0AEA5

■ 3D53A5

■ C1BBA5

■ 2C46A5

■ D1C8A5

■ 1C39A5

■ E2D5A5

■ 0C2CA5

■ F3E2A5

■ 0023A5

■ FFEFA5

■ FFFCA5

# Harmonies

## Analogous

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



6C8CA4



7F87A5



92829E

# Triad

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



7F87A5



A58074



6B907E

# Complementary

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



7F87A5



A59D7F

# 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.



7C8D71



7F87A5



9B846B

# Square

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



7F87A5



A77D82



8D896A



60918E

# Rectangle

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



7F87A5



9D7F96



8D896A



708F7A



# Sweetspot

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



7F87A5



C7CAD6



7FA59D



63646B



EBEBEB



6B6B6B



# Same Dimension

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



7F87A5



9AA7D6



8A7FA5



494B52



001F91



000412



# Inverse Universe

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



A57F87



D69AA7



9AA57F



52494B



91001F



120004



# Previews

## White Background



This preview shows how the Hex color 7F87A5 looks on a white background.

## Color Contrast Check

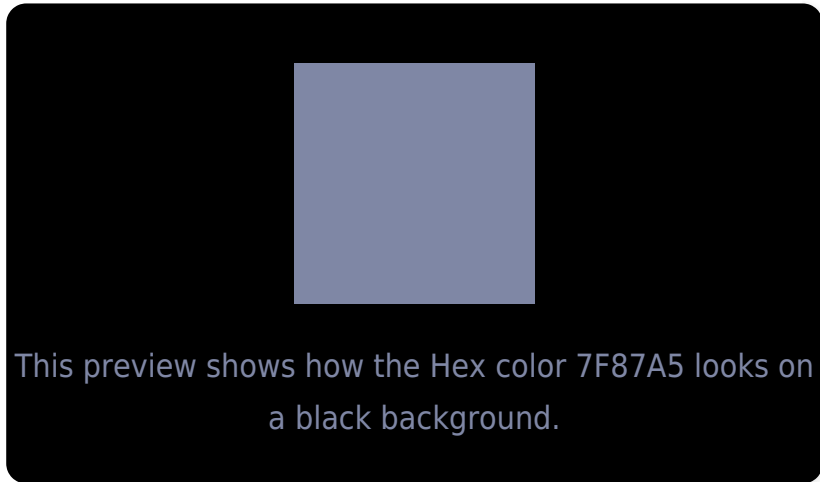
Large Text (above 18pt) WCAG AA ✓ Pass

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

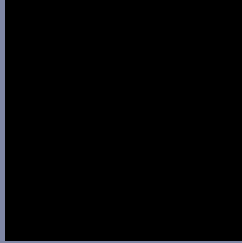
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

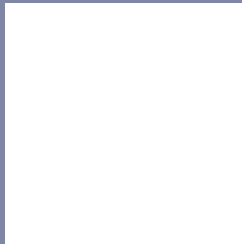
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 7F87A5 Background



This preview shows how black text looks on a background with the Hex color 7F87A5.



This preview shows how white text looks on a background with the Hex color 7F87A5.

# 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**

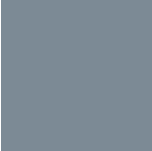
7F87A5

**Protanopia**

8186A5

**Deuteranopia**

8685A5



**Tritanopia**  
7C8A95

# Trichromacy



**Original Color**  
7F87A5

**Protanomaly**  
8086A5

**Deuteranomaly**  
8386A5

**Tritanomaly**  
7D899B

# Monochromacy



**Original Color**  
7F87A5

**Achromatopsia**  
888888

**Achromatomaly**  
858893

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7F87A5 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 #7F87A5 looks like.

```
.text, #text, p{  
    color:#7F87A5  
}
```

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 #7F87A5 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7F87A5
}
```

## Border

The CSS property to change the border of an element to Hex 7F87A5 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
#7F87A5 }
```

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

```
.border{ border-color:#7F87A5 }
```

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

Here you see how a box with a 4 pixel #7F87A5 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7F87A5; -webkit-box-shadow:4px 4px  
4px 4px #7F87A5; box-shadow:4px 4px 4px  
4px #7F87A5 }
```

# Background

The CSS property to change the background color of an element to Hex 7F87A5 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7F87A5 }
```

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

```
.background{ background-color:#7F87A5 }
```

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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