

Converting Colors

Hex(7987B7)

Have a look what the booklet for
Hex(7987B7) contains.

Hex(7987B7)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(7987B7)

Conversions

Conversions Part 1

Format	Color
Hex	7987B7
RGB	121, 135, 183
RGB Percent	47%, 53%, 72%
CMY	0.5255, 0.4706, 0.2824
CMYK	0.34, 0.26, 0.00, 0.28
HSL	226°, 30%, 60%
HSV	226°, 34%, 72%
XYZ	25.0964, 24.8118, 48.2662
YIQ	136.2860, -23.7520, 11.9600

Conversions

Conversions Part 2

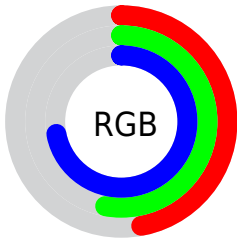
Format	Color
R_{YB}	121, 132, 183
Decimal	7964599
CIE Lab	56.89, 6.58, -26.82
CIE LCh	57, 27.617, 283.789
Yxy	24.8118, 0.2556, 0.2527
Android (android.graphics.Color)	4286154679 (0xFF7987B7)
YUV	136.2860, 23.0300, -13.4058
Hunter-Lab	49.8114, 2.7632, -22.5827

Details

The Hex color **7987B7** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **B7A979**, and the grayscale version is **888888**.

A 20% lighter version of the original color is **AFBCEF**, and **465682** is the 20% darker color. If you saturate the color by 10%, you get **6779B7**, and if you desaturate by 10%, it is **8B95B7**.

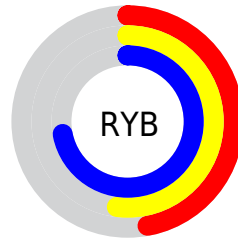
Distribution



Red (47%)

Green (53%)

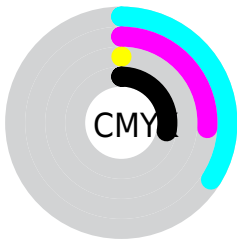
Blue (72%)



Red (47%)

Yellow (52%)

Blue (72%)

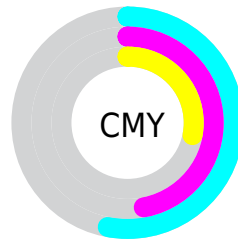


Cyan (34%)

Magenta (26%)

Yellow (0%)

Black (28%)



Cyan (53%)

Magenta (47%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Hex color 7987B7 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 7987B7 by changing the saturation by 10% instead.

■ 7987B7

■ 7987B7

FFFFFF

■ 5F6E9C

■ AFBCEF

■ 465682

■ CBD8FF

■ 2D3E69

■ E7F4FF

■ 122950

■ 001539

■ 000223

■ 00000A

■ 000000

■ 7987B7

■ 7987B7

6779B7

8B95B7

546BB7

9EA3B7

425CB7

B0B2B7

304EB7

C2C0B7

1D40B7

D4CEB7

0B32B7

E7DCB7

0029B7

F9EAB7

FFF8B7

FFFFB7

Harmonies

Analogous

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



548FB6



7987B7



9A7EAB

Triad

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



7987B7



B47B68



56957A

Complementary

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



7987B7



B7A979

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.



739165



7987B7



A5835B

Square

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



7987B7



B8767E



8E8B59



3D9693

Rectangle

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



7987B7



AA7A9E



8E8B59



609473

Sweetspot

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



7987B7



D5DBED



79B7A9



696D78



F7F7F7



787878

Same Dimension

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



7987B7



8CA2ED



8A79B7



53555C



00239C



00061C

Inverse Universe

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



B77987



ED8CA2



A6B779



5C5355



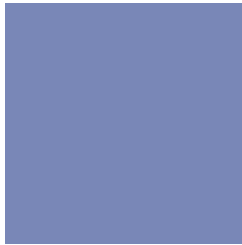
9C0023



1C0006

Previews

White Background



This preview shows how the Hex color 7987B7 looks on a white background.

Color Contrast Check

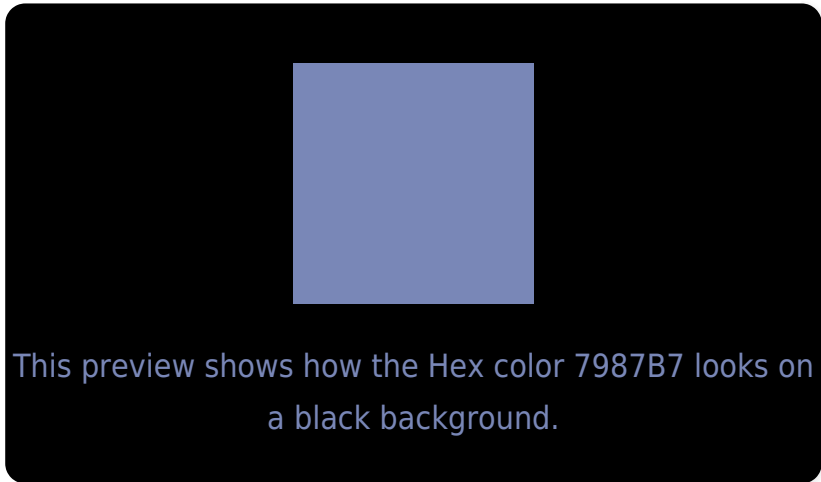
Large Text (above 18pt) WCAG AA ✓ Pass

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

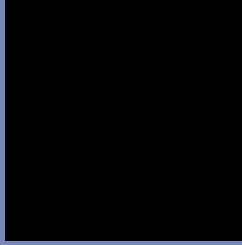
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

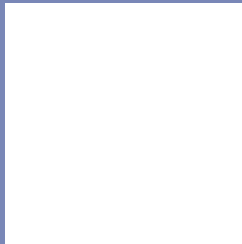
Any Text WCAG AAA × Fail

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

Hex 7987B7 Background



This preview shows how black text looks on a background with the Hex color 7987B7.



This preview shows how white text looks on a background with the Hex color 7987B7.

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
7987B7

Protanopia
7B87B7

Deuteranopia
7B86B7



Tritanopia
728D98

Trichromacy



Original Color

7987B7

Protanomaly

7A87B7

Deuteranomaly

7A86B7

Tritanomaly

758BA3

Monochromacy



Original Color

7987B7

Achromatopsia

888888

Achromatomaly

838899

CSS Examples

Text

The CSS property to change the color of the text to Hex 7987B7 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 #7987B7 looks like.

```
.text, #text, p{  
    color:#7987B7  
}
```

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 #7987B7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7987B7
}
```

Border

The CSS property to change the border of an element to Hex 7987B7 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
#7987B7 }
```

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

```
.border{ border-color:#7987B7 }
```

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

Here you see how a box with a 4 pixel #7987B7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7987B7; -webkit-box-shadow:4px 4px  
4px 4px #7987B7; box-shadow:4px 4px 4px  
4px #7987B7 }
```

Background

The CSS property to change the background color of an element to Hex 7987B7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7987B7 }
```

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

```
.background{ background-color:#7987B7 }
```

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