

# Converting Colors

Hex(6990B7)

Have a look what the booklet for  
Hex(6990B7) contains.

<b>Hex(6990B7)</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(6990B7)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	6990B7
RGB	105, 144, 183
RGB Percent	41%, 56%, 72%
CMY	0.5882, 0.4353, 0.2824
CMYK	0.43, 0.21, 0.00, 0.28
HSL	210°, 35%, 56%
HSV	210°, 43%, 72%
XYZ	24.3462, 26.3687, 48.6062
YIQ	136.7850, -35.7630, 3.8610

# Conversions

## Conversions Part 2

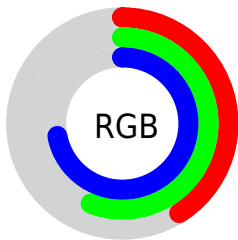
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	105, 131, 183
Decimal	6918327
CIE <sub>Lab</sub>	58.39, -3.08, -24.60
CIE <sub>LCh</sub>	58, 24.795, 262.853
Yxy	26.3687, 0.2451, 0.2655
Android (android.graphics.Color)	4285108407 (0xFF6990B7)
YUV	136.7850, 22.7840, -27.8754
Hunter-Lab	51.3504, -5.2331, -20.1762

# Details

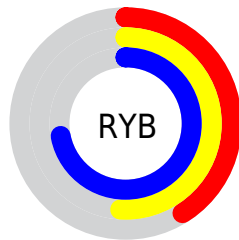
The Hex color **6990B7** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **B79069**, and the grayscale version is **898989**.

A 20% lighter version of the original color is **9FC6EF**, and **345E82** is the 20% darker color. If you saturate the color by 10%, you get **5787B7**, and if you desaturate by 10%, it is **7B99B7**.

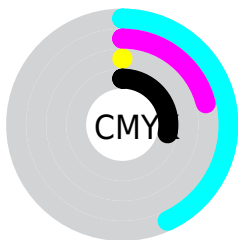
# Distribution



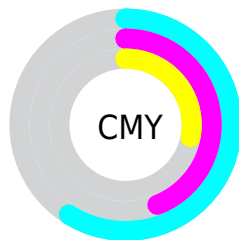
- Red (41%)
- Green (56%)
- Blue (72%)



- Red (41%)
- Yellow (51%)
- Blue (72%)



- Cyan (43%)
- Magenta (21%)
- Yellow (0%)
- Black (28%)



- Cyan (59%)
- Magenta (44%)
- Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 6990B7 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 6990B7 by changing the saturation by 10% instead.



■ 6990B7

■ 6990B7

FFFFFF

■ 4F769C

■ 9FC6EF

■ 345E82

■ BBE2FF

■ 164669

■ D8FEFF

■ 003050

■ F5FFFF

■ 001B39

■ 000224

■ 00000B

■ 000000

■ 6990B7

■ 6990B7

■ 5787B7

■ 7B99B7

■ 447EB7

■ 8EA2B7

■ 3275B7

■ A0ABB7

■ 206BB7

■ B2B5B7

■ 0E62B7

■ C5BEB7

■ 005CB7

■ D7C7B7

■ E9D0B7

■ FBD9B7

■ FFE2B7

# Harmonies

## Analogous

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



4F95AE



6990B7



8889B4

# Triad

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



6990B7



B87D7D



729572

# Complementary

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



6990B7



B79069

# 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.



8B9064



6990B7



B1826B

# Square

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



6990B7



B47D92



A18961



599886

# Rectangle

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



6990B7



9B84AC



A18961



7A946C



# Sweetspot

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



6990B7



CEDEED



69B790



656E78



F7F7F7



787878



# Same Dimension

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



6990B7



74B1ED



6969B7



53575C



004E9C



000E1C



# Inverse Universe

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



B76990



ED74B1



B7B769



5C5357



9C004E

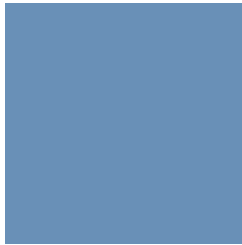


1C000E



# Previews

## White Background



This preview shows how the Hex color 6990B7 looks on a white background.

## Color Contrast Check

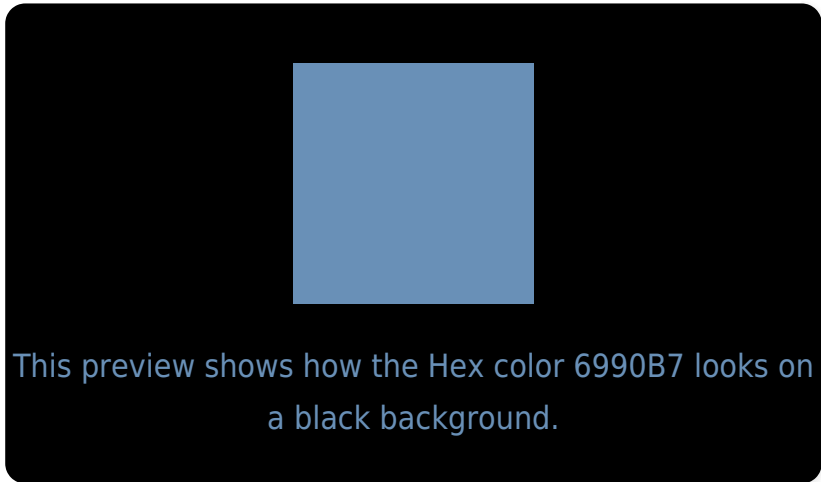
Large Text (above 18pt) WCAG AA ✓ Pass

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

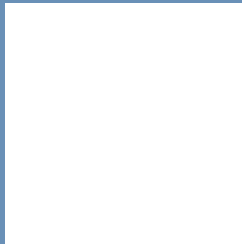
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 6990B7 Background



This preview shows how black text looks on a background with the Hex color 6990B7.



This preview shows how white text looks on a background with the Hex color 6990B7.

# 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**  
6990B7

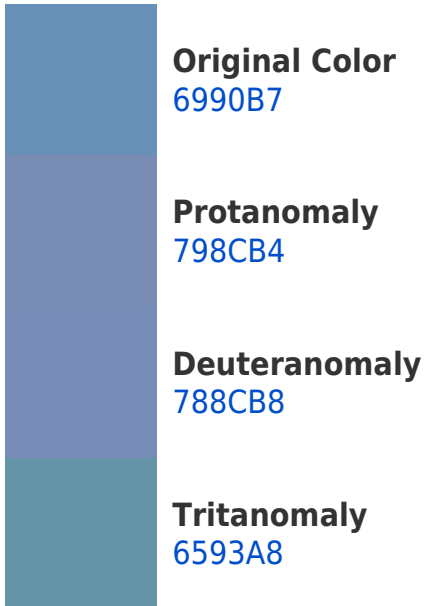
**Protanopia**  
828AB3

**Deuteranopia**  
818AB8

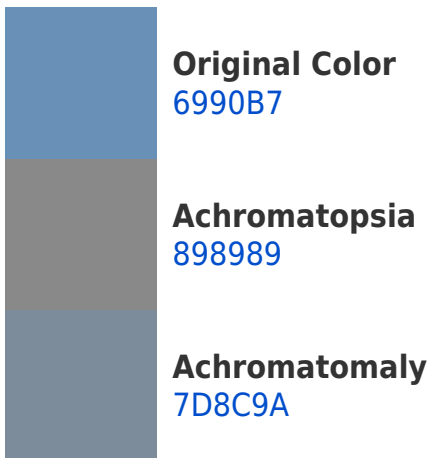


**Tritanopia**  
6394A0

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 6990B7 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 #6990B7 looks like.

```
.text, #text, p{  
    color:#6990B7  
}
```

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 #6990B7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #6990B7
}
```

## Border

The CSS property to change the border of an element to Hex 6990B7 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
#6990B7 }
```

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

```
.border{ border-color:#6990B7 }
```

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

Here you see how a box with a 4 pixel #6990B7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #6990B7; -webkit-box-shadow:4px 4px  
4px 4px #6990B7; box-shadow:4px 4px 4px  
4px #6990B7 }
```

# Background

The CSS property to change the background color of an element to Hex 6990B7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#6990B7 }
```

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

```
.background{ background-color:#6990B7 }
```

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