

# Converting Colors

Hex(7689B4)

Have a look what the booklet for  
Hex(7689B4) contains.

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# Color

Hex(7689B4)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7689B4
RGB	118, 137, 180
RGB Percent	46%, 54%, 71%
CMY	0.5373, 0.4627, 0.2941
CMYK	0.34, 0.24, 0.00, 0.29
HSL	222°, 29%, 58%
HSV	222°, 34%, 71%
XYZ	24.6551, 25.0382, 46.7134
YIQ	136.2210, -25.1270, 9.3450

# Conversions

## Conversions Part 2

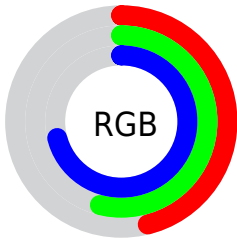
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	118, 133, 180
Decimal	7768500
CIE <sub>Lab</sub>	57.11, 3.74, -24.79
CIE <sub>LCh</sub>	57, 25.067, 278.578
Yxy	25.0382, 0.2557, 0.2597
Android (android.graphics.Color)	4285958580 (0xFF7689B4)
YUV	136.2210, 21.5830, -15.9798
Hunter-Lab	50.0381, 0.3848, -20.3238

# Details

The Hex color **7689B4** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **B4A176**, and the grayscale version is **888888**.

A 20% lighter version of the original color is **ACBEEC**, and **43577F** is the 20% darker color. If you saturate the color by 10%, you get **647DB4**, and if you desaturate by 10%, it is **8895B4**.

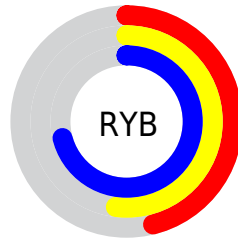
# Distribution



Red (46%)

Green (54%)

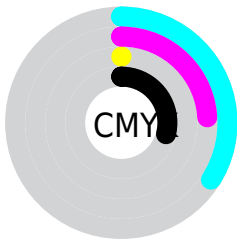
Blue (71%)



Red (46%)

Yellow (52%)

Blue (71%)

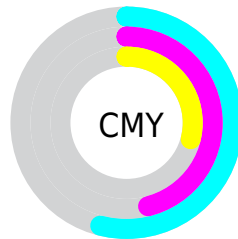


Cyan (34%)

Magenta (24%)

Yellow (0%)

Black (29%)



Cyan (54%)

Magenta (46%)

Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7689B4 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 7689B4 by changing the saturation by 10% instead.





7689B4



7689B4

FFFFFF



5C7099



ACBEEC



43577F



C8DAFF



2A4066



E4F6FF



0E2A4E



001637



000221



000006



000000



7689B4



7689B4

■ 647DB4

■ 8895B4

■ 5270B4

■ 9AA2B4

■ 4064B4

■ ACAEB4

■ 2E57B4

■ BEBBB4

■ 1C4BB4

■ D0C7B4

■ 0A3EB4

■ E2D4B4

■ 0037B4

■ F4E0B4

■ FFEDB4

■ FFF9B4

# Harmonies

## Analogous

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



5790B1



7689B4



9481AB

# Triad

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



7689B4



B27C6F



619478

# Complementary

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



7689B4



B4A176

# 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.



7A9066



7689B4



A68261

# Square

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



7689B4



B47983



928A5E



4B958F

# Rectangle

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



7689B4



A47DA0



928A5E



699372



# Sweetspot

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



7689B4



D3DAEB



76B4A0



676C75



F5F5F5



757575



# Same Dimension

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



7689B4



8AA8EB



8176B4



505359



002F99



00081A



# Inverse Universe

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



B47689



EB8AA8



A9B476



595053



99002F

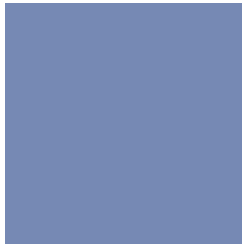


1A0008



# Previews

## White Background



This preview shows how the Hex color 7689B4 looks on a white background.

## Color Contrast Check

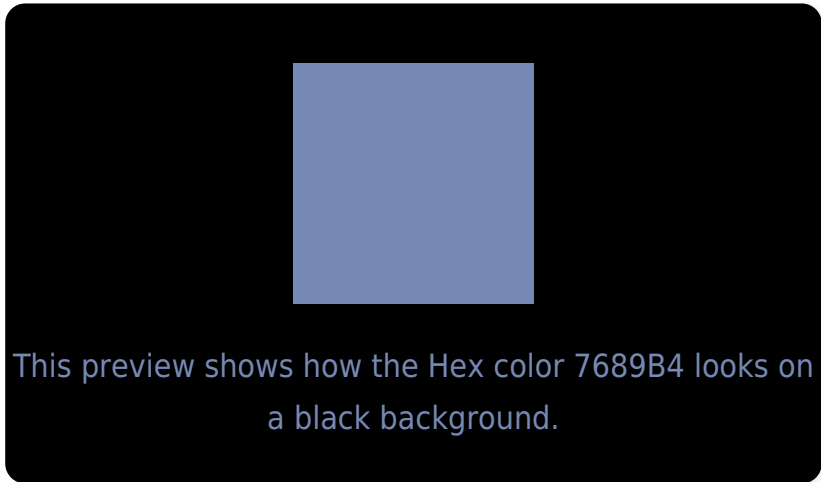
Large Text (above 18pt) WCAG AA ✓ Pass

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

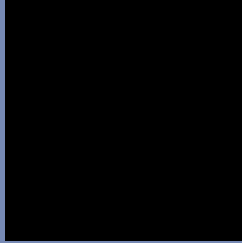
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

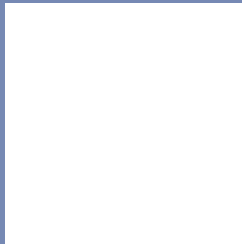
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 7689B4 Background



This preview shows how black text looks on a background with the Hex color 7689B4.



This preview shows how white text looks on a background with the Hex color 7689B4.

# 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**

7689B4

**Protanopia**

7D87B3

**Deuteranopia**

7E87B5



**Tritanopia**  
708E99

# Trichromacy



**Original Color**  
7689B4

**Protanomaly**  
7A88B3

**Deuteranomaly**  
7B88B5

**Tritanomaly**  
728CA3

# Monochromacy



**Original Color**  
7689B4

**Achromatopsia**  
888888

**Achromatomaly**  
818898

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7689B4 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 #7689B4 looks like.

```
.text, #text, p{  
    color:#7689B4  
}
```

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 #7689B4 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7689B4
}
```

## Border

The CSS property to change the border of an element to Hex 7689B4 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
#7689B4 }
```

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

```
.border{ border-color:#7689B4 }
```

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

Here you see how a box with a 4 pixel #7689B4 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7689B4; -webkit-box-shadow:4px 4px  
4px 4px #7689B4; box-shadow:4px 4px 4px  
4px #7689B4 }
```

# Background

The CSS property to change the background color of an element to Hex 7689B4 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7689B4 }
```

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

```
.background{ background-color:#7689B4 }
```

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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