

# Converting Colors

Hex(7876A2)

Have a look what the booklet for  
Hex(7876A2) contains.

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# Color

**Hex(7876A2)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7876A2
RGB	120, 118, 162
RGB Percent	47%, 46%, 64%
CMY	0.5294, 0.5373, 0.3647
CMYK	0.26, 0.27, 0.00, 0.36
HSL	243°, 19%, 55%
HSV	243°, 27%, 64%
XYZ	20.7457, 19.5586, 36.8642
YIQ	123.6140, -12.9320, 14.1080

# Conversions

## Conversions Part 2

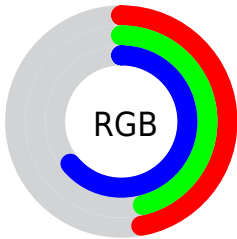
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	120, 118, 162
Decimal	7894690
CIE <sub>Lab</sub>	51.33, 10.81, -23.30
CIE <sub>LCh</sub>	51, 25.687, 294.892
Yxy	19.5586, 0.2688, 0.2535
Android (android.graphics.Color)	4286084770 (0xFF7876A2)
YUV	123.6140, 18.9243, -3.1695
Hunter-Lab	44.2251, 6.3395, -18.4641

# Details

The Hex color **7876A2** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **A0A276**, and the grayscale version is **7B7B7B**.

A 20% lighter version of the original color is **ADAAD9**, and **46466E** is the 20% darker color. If you saturate the color by 10%, you get **6966A2**, and if you desaturate by 10%, it is **8786A2**.

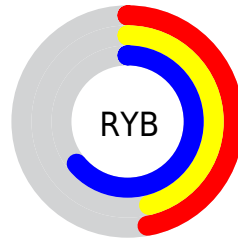
# Distribution



Red (47%)

Green (46%)

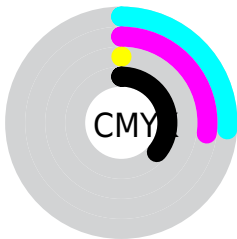
Blue (64%)



Red (47%)

Yellow (46%)

Blue (64%)

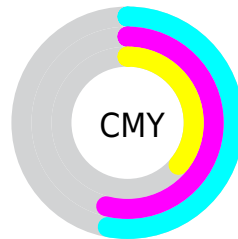


Cyan (26%)

Magenta (27%)

Yellow (0%)

Black (36%)



Cyan (53%)

Magenta (54%)

Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 7876A2 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 7876A2 by changing the saturation by 10% instead.





7876A2



7876A2

FFFFFF



5F5D88



ADAAD9



46466E



C9C5F6



2E3056



E5E1FF



171B3E

FFFEFF



020028



000112



000000



7876A2



7876A2



6966A2



8786A2

5956A2

9796A2

4A45A2

A6A7A2

3A35A2

B6B7A2

2B25A2

C5C7A2

1B15A2

D5D7A2

0C05A2

E4E7A2

0700A2

F4F8A2

FFFA2

# Harmonies

## Analogous

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



577EA6



7876A2



936E94

# Triad

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



7876A2



9E7057



438676

# Complementary

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



7876A2



A0A276

# 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.



5D8460



7876A2



8D784F

# Square

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



7876A2



A66B69



767F52



30868C

# Rectangle

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



7876A2



9E6B86



767F52



4C866E



# Sweetspot

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



7876A2



C3C3D4



76A1A2



61606B



EBEBEB



6B6B6B



# Same Dimension

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



7876A2



918ED4



8D76A2



4A4952



070091



010012



# Inverse Universe

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



A276A0



D48ED0



8BA276



524951



91008B



120011



# Previews

## White Background



This preview shows how the Hex color 7876A2 looks on a white background.

## Color Contrast Check

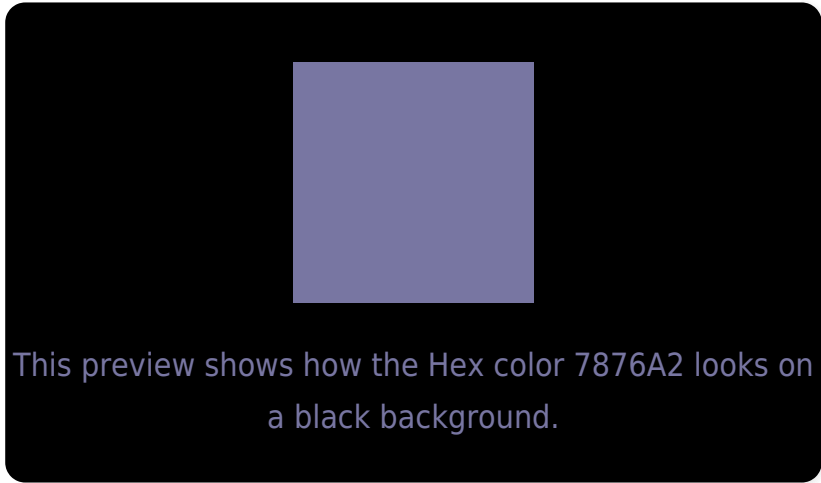
Large Text (above 18pt) WCAG AA ✓ Pass

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

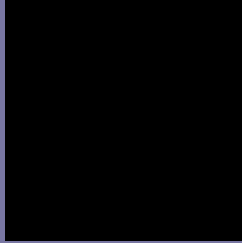
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 7876A2 Background



This preview shows how black text looks on a background with the Hex color 7876A2.



This preview shows how white text looks on a background with the Hex color 7876A2.

# 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**  
7876A2

**Protanopia**  
6E79A4

**Deuteranopia**  
7178A2



**Tritanopia**  
727B85

# Trichromacy



**Original Color**  
7876A2

**Protanomaly**  
7278A3

**Deuteranomaly**  
7477A2

**Tritanomaly**  
747990

# Monochromacy



**Original Color**  
7876A2

**Achromatopsia**  
7C7C7C

**Achromatomaly**  
7B7A8A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 7876A2 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 #7876A2 looks like.

```
.text, #text, p{  
    color:#7876A2  
}
```

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 #7876A2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #7876A2
}
```

## Border

The CSS property to change the border of an element to Hex 7876A2 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
#7876A2 }
```

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

```
.border{ border-color:#7876A2 }
```

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

Here you see how a box with a 4 pixel #7876A2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #7876A2; -webkit-box-shadow:4px 4px  
4px 4px #7876A2; box-shadow:4px 4px 4px  
4px #7876A2 }
```

# Background

The CSS property to change the background color of an element to Hex 7876A2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#7876A2 }
```

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

```
.background{ background-color:#7876A2 }
```

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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