

# Converting Colors

Hex(676DA8)

Have a look what the booklet for  
Hex(676DA8) contains.

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# Color

**Hex(676DA8)**

# Conversions

## Conversions Part 1

Format	Color
Hex	676DA8
RGB	103, 109, 168
RGB Percent	40%, 43%, 66%
CMY	0.5961, 0.5725, 0.3412
CMYK	0.39, 0.35, 0.00, 0.34
HSL	234°, 27%, 53%
HSV	234°, 39%, 66%
XYZ	18.1300, 16.6480, 39.3036
YIQ	113.9320, -22.5150, 17.0770

# Conversions

## Conversions Part 2

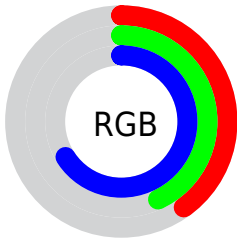
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	103, 108, 168
Decimal	6778280
CIE <sub>Lab</sub>	47.81, 12.76, -32.38
CIE <sub>LCh</sub>	48, 34.805, 291.514
Yxy	16.6480, 0.2447, 0.2247
Android (android.graphics.Color)	4284968360 (0xFF676DA8)
YUV	113.9320, 26.6555, -9.5874
Hunter-Lab	40.8020, 7.9117, -28.5514

# Details

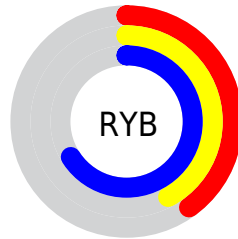
The Hex color **676DA8** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **A8A267**, and the grayscale version is **727272**.

A 20% lighter version of the original color is **9CA0DF**, and **343E74** is the 20% darker color. If you saturate the color by 10%, you get **565EA8**, and if you desaturate by 10%, it is **787CA8**.

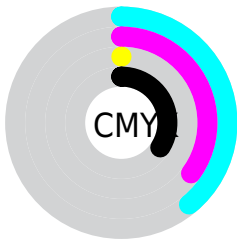
# Distribution



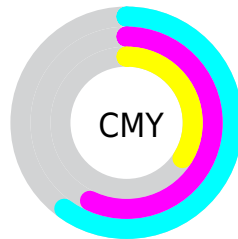
- Red (40%)
- Green (43%)
- Blue (66%)



- Red (40%)
- Yellow (42%)
- Blue (66%)



- Cyan (39%)
- Magenta (35%)
- Yellow (0%)
- Black (34%)



- Cyan (60%)
- Magenta (57%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 676DA8 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 676DA8 by changing the saturation by 10% instead.



676DA8

676DA8

FFFFFF

4D558D

9CA0DF

343E74

B8BBFC

19285B

D4D7FF

001443

F1F3FF

00012C

000117

000000

676DA8

676DA8

565EA8

787CA8

■ 454FA8

■ 898BA8

■ 353FA8

■ 999BA8

■ 2430A8

■ AAAAA8

■ 1321A8

■ BBB9A8

■ 0212A8

■ CCC8A8

■ 0010A8

■ DDD8A8

■ EDE7A8

■ FEF6A8

# Harmonies

## Analogous

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



2B77AB



676DA8



8E6296

# Triad

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



676DA8



A06245



188068

# Complementary

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



676DA8



A8A267

# 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.



4C7D4C



676DA8



8B6D36

# Square

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



676DA8



A95A5E



6E7639



008086

# Rectangle

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



676DA8



9E5C85



6E7639



2E7F5E



# Sweetspot

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



676DA8



C1C3DB



67A8A1



5E606E



EDEDED



6E6E6E



# Same Dimension

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



676DA8



7680DB



8167A8



4C4D54



000E94



000214



# Inverse Universe

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



A8676D



DB7680



8EA867



544C4D



94000E

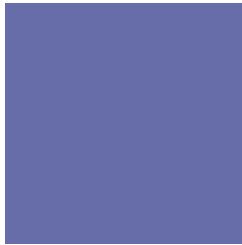


140002



# Previews

## White Background



This preview shows how the Hex color 676DA8 looks on a white background.

## Color Contrast Check

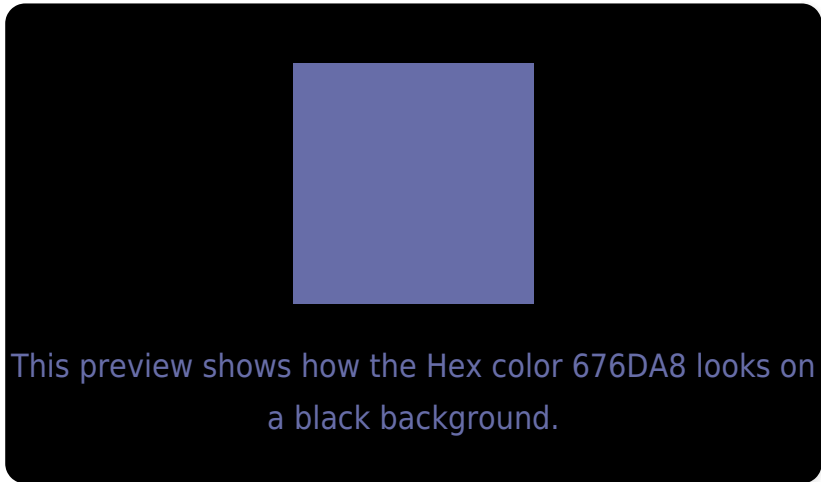
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

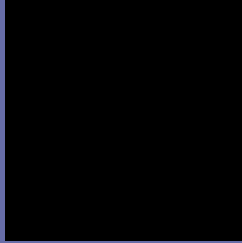
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 676DA8 Background



This preview shows how black text looks on a background with the Hex color 676DA8.

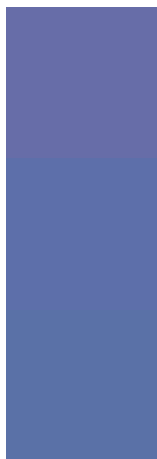


This preview shows how white text looks on a background with the Hex color 676DA8.

# 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**  
676DA8

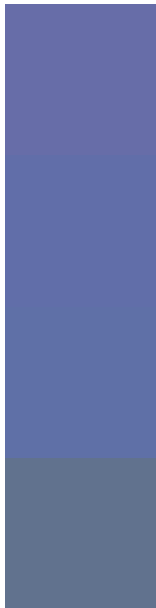
**Protanopia**  
5D6FAA

**Deuteranopia**  
5A71A7



**Tritanopia**  
5D757F

# Trichromacy



**Original Color**  
676DA8

**Protanomaly**  
616EA9

**Deuteranomaly**  
5F70A7

**Tritanomaly**  
61728E

# Monochromacy



**Original Color**  
676DA8

**Achromatopsia**  
727272

**Achromatomaly**  
6E7086

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 676DA8 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 #676DA8 looks like.

```
.text, #text, p{  
    color:#676DA8  
}
```

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 #676DA8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #676DA8
}
```

## Border

The CSS property to change the border of an element to Hex 676DA8 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
#676DA8 }
```

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

```
.border{ border-color:#676DA8 }
```

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

Here you see how a box with a 4 pixel #676DA8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #676DA8; -webkit-box-shadow:4px 4px  
4px 4px #676DA8; box-shadow:4px 4px 4px  
4px #676DA8 }
```

# Background

The CSS property to change the background color of an element to Hex 676DA8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#676DA8 }
```

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

```
.background{ background-color:#676DA8 }
```

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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