

# Converting Colors

Hex(727DB7)

Have a look what the booklet for  
Hex(727DB7) contains.

<b>Hex(727DB7)</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(727DB7)**

# Conversions

## Conversions Part 1

Format	Color
Hex	727DB7
RGB	114, 125, 183
RGB Percent	45%, 49%, 72%
CMY	0.5529, 0.5098, 0.2824
CMYK	0.38, 0.32, 0.00, 0.28
HSL	230°, 32%, 58%
HSV	230°, 38%, 72%
XYZ	22.8203, 21.6635, 47.7785
YIQ	128.3230, -25.1740, 15.7060

# Conversions

## Conversions Part 2

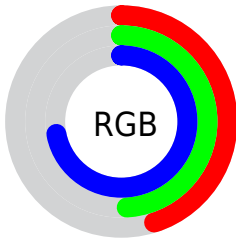
<b>Format</b>	<b>Color</b>
<b>RYB</b>	114, 123, 183
Decimal	7503287
CIELab	53.67, 10.47, -31.86
CIELCh	54, 33.539, 288.191
Yxy	21.6635, 0.2473, 0.2348
Android (android.graphics.Color)	4285693367 (0xFF727DB7)
YUV	128.3230, 26.9558, -12.5613
Hunter-Lab	46.5441, 6.0653, -28.2815

# Details

The Hex color **727DB7** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **B7AC72**, and the grayscale version is **808080**.

A 20% lighter version of the original color is **A8B1EF**, and **3E4C82** is the 20% darker color. If you saturate the color by 10%, you get **606EB7**, and if you desaturate by 10%, it is **848CB7**.

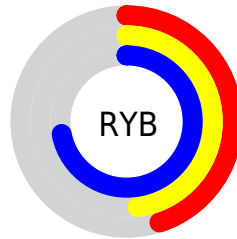
# Distribution



Red (45%)

Green (49%)

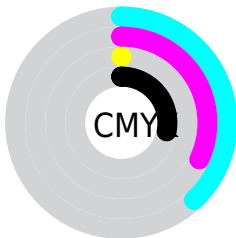
Blue (72%)



Red (45%)

Yellow (48%)

Blue (72%)

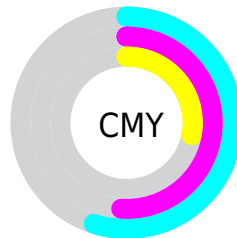


Cyan (38%)

Magenta (32%)

Yellow (0%)

Black (28%)



Cyan (55%)

Magenta (51%)

Yellow (28%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 727DB7 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 727DB7 by changing the saturation by 10% instead.



■ 727DB7

■ 727DB7

FFFFFF

■ 58649C

■ A8B1EF

■ 3E4C82

■ C4CDFF

■ 243668

■ E0E9FF

■ 022150

FEFFFF

■ 000A39

■ 000223

■ 000009

■ 000000

■ 727DB7

■ 727DB7

606EB7

848CB7

4D5EB7

979CB7

3B4FB7

A9ABB7

293FB7

BBBBB7

1730B7

CECAB7

0421B7

E0D9B7

001DB7

F2E9B7

FFF8B7

FFFFB7

# Harmonies

## Analogous

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



3D87B8



727DB7



9972A7

# Triad

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



727DB7



B07156



388F73

# Complementary

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



727DB7



B7AC72

# 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.



608B59



727DB7



9D7B47

# Square

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



727DB7



B86A70



818448



008F91

# Rectangle

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



727DB7



AB6C96



818448



478E6A



# Sweetspot

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



727DB7



D3D7ED



72B7AB



686B78



F7F7F7



787878



# Same Dimension

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



727DB7



8293ED



8972B7



53545C



00199C



00041C



# Inverse Universe

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



B7727D



ED8293



A0B772



5C5354



9C0019

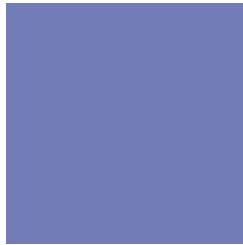


1C0004



# Previews

## White Background



This preview shows how the Hex color 727DB7 looks on a white background.

## Color Contrast Check

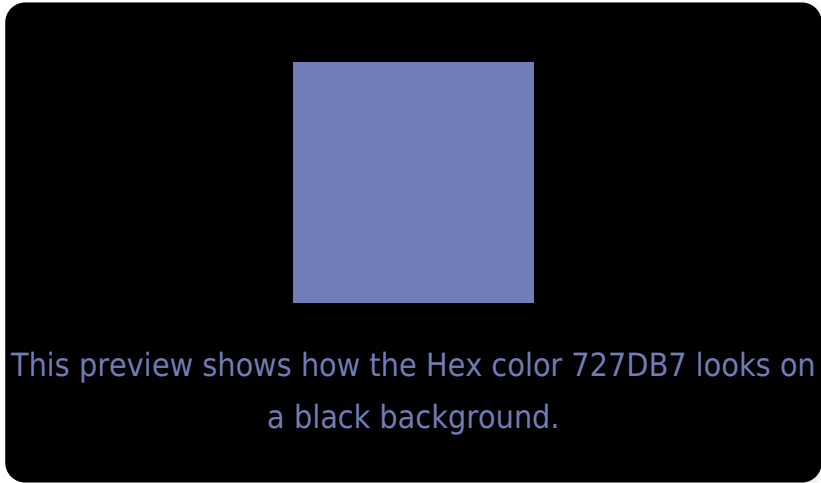
Large Text (above 18pt) WCAG AA ✓ Pass

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

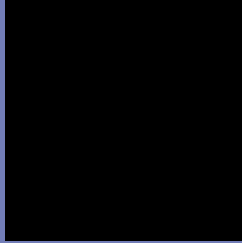
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 727DB7 Background



This preview shows how black text looks on a background with the Hex color 727DB7.



This preview shows how white text looks on a background with the Hex color 727DB7.

# 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**  
727DB7

**Protanopia**  
6E7EB8

**Deuteranopia**  
6B7FB7



**Tritanopia**  
69858F

# Trichromacy



**Original Color**  
727DB7

**Protanomaly**  
6F7EB8

**Deuteranomaly**  
6E7EB7

**Tritanomaly**  
6C829E

# Monochromacy



**Original Color**  
727DB7

**Achromatopsia**  
808080

**Achromatomaly**  
7B7F94

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 727DB7 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 #727DB7 looks like.

```
.text, #text, p{  
    color:#727DB7  
}
```

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 #727DB7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #727DB7
}
```

## Border

The CSS property to change the border of an element to Hex 727DB7 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
#727DB7 }
```

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

```
.border{ border-color:#727DB7 }
```

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

Here you see how a box with a 4 pixel #727DB7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #727DB7; -webkit-box-shadow:4px 4px  
4px 4px #727DB7; box-shadow:4px 4px 4px  
4px #727DB7 }
```

# Background

The CSS property to change the background color of an element to Hex 727DB7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#727DB7 }
```

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

```
.background{ background-color:#727DB7 }
```

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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