

# Converting Colors

Hex(3B729D)

Have a look what the booklet for  
Hex(3B729D) contains.

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# Color

**Hex(3B729D)**

# Conversions

## Conversions Part 1

| Format      | Color                      |
|-------------|----------------------------|
| Hex         | 3B729D                     |
| RGB         | 59, 114, 157               |
| RGB Percent | 23%, 45%, 62%              |
| CMY         | 0.7686, 0.5529, 0.3843     |
| CMYK        | 0.62, 0.27, 0.00, 0.38     |
| HSL         | 206°, 45%, 42%             |
| HSV         | 206°, 62%, 62%             |
| XYZ         | 13.9067, 15.3988, 34.1376  |
| YIQ         | 102.4570, -46.5830, 1.7130 |

# Conversions

## Conversions Part 2

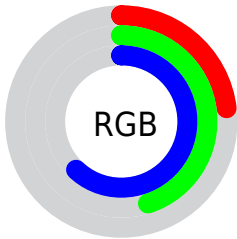
| <b>Format</b>                       | <b>Color</b>                   |
|-------------------------------------|--------------------------------|
| <b>RYB</b>                          | 59, 94, 157                    |
| Decimal                             | 3895965                        |
| CIELab                              | 46.18, -4.53, -28.67           |
| CIELCh                              | 46, 29.025, 261.026            |
| Yxy                                 | 15.3988, 0.2192,<br>0.2427     |
| Android<br>(android.graphics.Color) | 4282086045<br>(0xFF3B729D)     |
| YUV                                 | 102.4570, 26.8897,<br>-38.1118 |
| Hunter-Lab                          | 39.2412, -5.4134,<br>-24.1099  |

# Details

The Hex color **3B729D** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **9D663B**, and the grayscale version is **666666**.

A 20% lighter version of the original color is **73A6D4**, and **004269** is the 20% darker color. If you saturate the color by 10%, you get **2B6B9D**, and if you desaturate by 10%, it is **4B799D**.

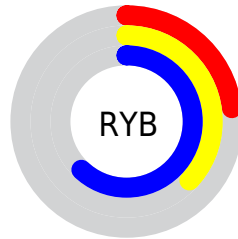
# Distribution



 Red (23%)

 Green (45%)

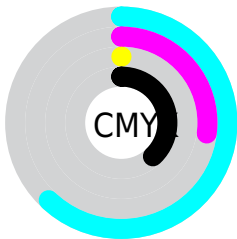
 Blue (62%)




 Red (23%)

 Yellow (37%)

 Blue (62%)

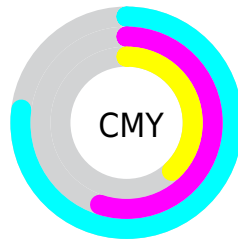


 Cyan (62%)


 Magenta (27%)

 Yellow (0%)

 Black (38%)



 Cyan (77%)

 Magenta (55%)

 Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3B729D 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 3B729D by changing the saturation by 10% instead.



■ 3B729D

■ 3B729D

FFFFFF

■ 1A5A83

■ 73A6D4

■ 004269

■ 8FC1F0

■ 002C51

■ ABDDFF

■ 00183A

■ C8F9FF

■ 000224

■ E5FFFF

■ 00000C

■ 000000

■ 3B729D

■ 3B729D

■ 2B6B9D

■ 4B799D

■ 1C649D

■ 5A809D

■ 0C5D9D

■ 6A879D

■ 00589D

■ 7A8E9D

■ 8A949D

■ 999B9D

■ A9A29D

■ B9A99D

■ C8B09D

# Harmonies

## Analogous

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



007892



3B729D



656A9B

# Triad

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



3B729D



9D5B5D



50774E

# Complementary

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



3B729D



9D663B

# 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.



6C713F



3B729D



956149

# Square

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



3B729D



985B76



84693D



2E7A65

# Rectangle

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



3B729D



7C6492



84693D



5A7548



# Sweetspot

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



3B729D



A5BBCC



3B9D65



4F5C66



E6E6E6



666666



# Same Dimension

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



3B729D



3389CC



3B429D



474C4F



00508F



00090F



# Inverse Universe

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



9D3B72



CC3389



9D963B



4F474C



8F0050



0F0009



# Previews

## White Background



This preview shows how the Hex color 3B729D looks on a white background.

## Color Contrast Check

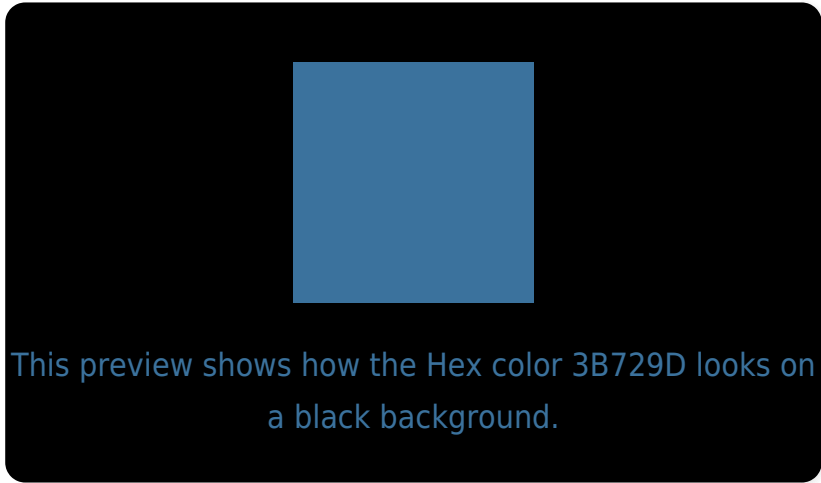
Large Text (above 18pt) WCAG AA ✓ Pass

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

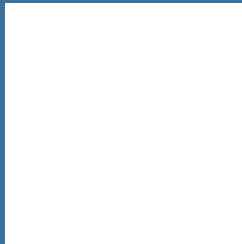
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 3B729D Background



This preview shows how black text looks on a background with the Hex color 3B729D.



This preview shows how white text looks on a background with the Hex color 3B729D.

# 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





**Tritanopia**  
2D7781

# Trichromacy



**Original Color**  
3B729D

**Protanomaly**  
526E9A

**Deuteranomaly**  
4E6E9E

**Tritanomaly**  
32758B

# Monochromacy



**Original Color**  
3B729D

**Achromatopsia**  
666666

**Achromatomaly**  
566A7A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3B729D 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 #3B729D looks like.

```
.text, #text, p{  
    color:#3B729D  
}
```

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 #3B729D colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3B729D
}
```

## Border

The CSS property to change the border of an element to Hex 3B729D 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
#3B729D }
```

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

```
.border{ border-color:#3B729D }
```

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

Here you see how a box with a 4 pixel #3B729D colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3B729D; -webkit-box-shadow:4px 4px  
4px 4px #3B729D; box-shadow:4px 4px 4px  
4px #3B729D }
```

# Background

The CSS property to change the background color of an element to Hex 3B729D is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3B729D }
```

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

```
.background{ background-color:#3B729D }
```

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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