

# Converting Colors

Hex(46669C)

Have a look what the booklet for  
Hex(46669C) contains.

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# Color

**Hex(46669C)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	46669C
RGB	70, 102, 156
RGB Percent	27%, 40%, 61%
CMY	0.7255, 0.6000, 0.3882
CMYK	0.55, 0.35, 0.00, 0.39
HSL	218°, 38%, 44%
HSV	218°, 55%, 61%
XYZ	13.2779, 13.2051, 33.3015
YIQ	98.5880, -36.4060, 10.0100

# Conversions

## Conversions Part 2

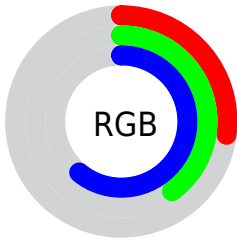
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	70, 93, 156
Decimal	4613788
CIE <sub>Lab</sub>	43.07, 4.82, -32.90
CIE <sub>LCh</sub>	43, 33.256, 278.339
Yxy	13.2051, 0.2221, 0.2209
Android (android.graphics.Color)	4282803868 (0xFF46669C)
YUV	98.5880, 28.3041, -25.0717
Hunter-Lab	36.3389, 1.6293, -28.8971

# Details

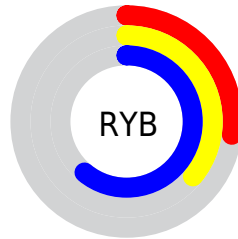
The Hex color **46669C** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **9C7C46**, and the grayscale version is **626262**.

A 20% lighter version of the original color is **7C99D3**, and **033868** is the 20% darker color. If you saturate the color by 10%, you get **365C9C**, and if you desaturate by 10%, it is **56709C**.

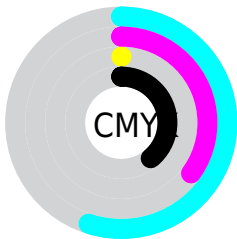
# Distribution



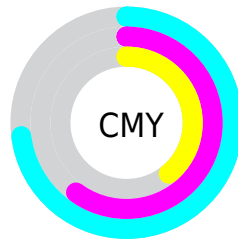
- Red (27%)
- Green (40%)
- Blue (61%)



- Red (27%)
- Yellow (36%)
- Blue (61%)



- Cyan (55%)
- Magenta (35%)
- Yellow (0%)
- Black (39%)



- Cyan (73%)
- Magenta (60%)
- Yellow (39%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 46669C 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 46669C by changing the saturation by 10% instead.



■ 46669C

■ 46669C

FFFFFF

■ 2A4E82

■ 7C99D3

■ 033868

■ 97B3EF

■ 002350

■ B3CFFF

■ 000C39

■ D0EBFF

■ 000223

■ EDFFFF

■ 000009

■ 000000

■ 46669C

■ 46669C

■ 365C9C

■ 56709C

■ 27529C

■ 657A9C

■ 17499C

■ 75839C

■ 083F9C

■ 848D9C

■ 003A9C

■ 94979C

■ A4A19C

■ B3AB9C

■ C3B49C

■ D2BE9C

# Harmonies

## Analogous

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



006E98



46669C



725C91

# Triad

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



46669C



965445



2B7250

# Complementary

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



46669C



9C7C46

# 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.



516E39



46669C



875D32

# Square

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



46669C



994F5F



6F672E



00746D

# Rectangle

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



46669C



865583



6F672E



3A7148



# Sweetspot

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



46669C



A9B6CC



469C7B



525966



E6E6E6



666666



# Same Dimension

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



46669C



4577CC



50469C



474A4F



00358F



00060F



# Inverse Universe

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



9C4666



CC4577



929C46



4F474A



8F0035

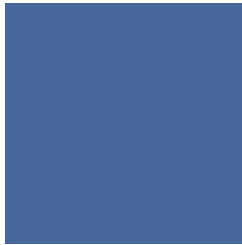


0F0006



# Previews

## White Background



This preview shows how the Hex color 46669C looks on a white background.

## Color Contrast Check

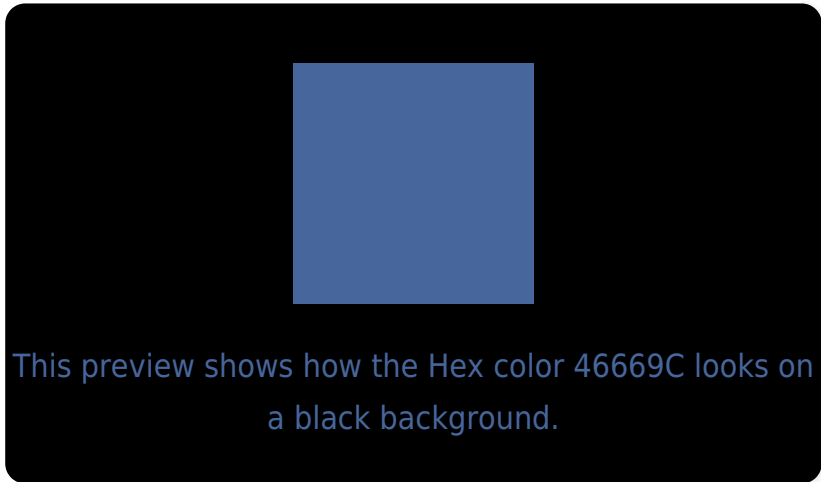
Large Text (above 18pt) WCAG AA ✓ Pass

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

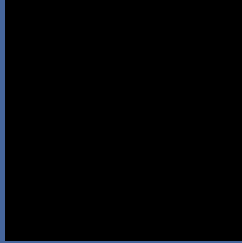
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

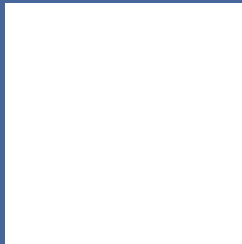
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 46669C Background



This preview shows how black text looks on a background with the Hex color 46669C.

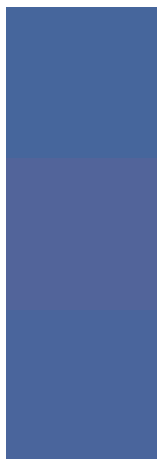


This preview shows how white text looks on a background with the Hex color 46669C.

# 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**  
46669C

**Protanopia**  
52649A

**Deuteranopia**  
4A659C



**Tritanopia**  
386E76

# Trichromacy



**Original Color**  
46669C

**Protanomaly**  
4E659B

**Deuteranomaly**  
49659C

**Tritanomaly**  
3D6B84

# Monochromacy



**Original Color**  
46669C

**Achromatopsia**  
636363

**Achromatomaly**  
586478

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 46669C 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 #46669C looks like.

```
.text, #text, p{  
    color:#46669C  
}
```

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 #46669C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #46669C
}
```

## Border

The CSS property to change the border of an element to Hex 46669C is called "border". The border property can be set on classes, ids or directly on the HTML element.

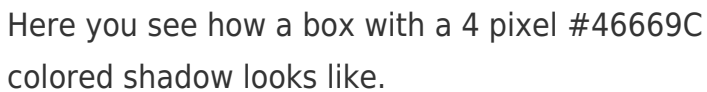
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#46669C }
```

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

```
.border{ border-color:#46669C }
```

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



Here you see how a box with a 4 pixel #46669C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #46669C; -webkit-box-shadow:4px 4px  
4px 4px #46669C; box-shadow:4px 4px 4px  
4px #46669C }
```

# Background

The CSS property to change the background color of an element to Hex 46669C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#46669C }
```

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

```
.background{ background-color:#46669C }
```

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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