

# Converting Colors

Hex(4966A8)

Have a look what the booklet for  
Hex(4966A8) contains.

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# Color

**Hex(4966A8)**

# Conversions

## Conversions Part 1

Format	Color
Hex	4966A8
RGB	73, 102, 168
RGB Percent	29%, 40%, 66%
CMY	0.7137, 0.6000, 0.3412
CMYK	0.57, 0.39, 0.00, 0.34
HSL	222°, 39%, 47%
HSV	222°, 57%, 66%
XYZ	14.5669, 13.7464, 38.9313
YIQ	100.8530, -38.4700, 14.3780

# Conversions

## Conversions Part 2

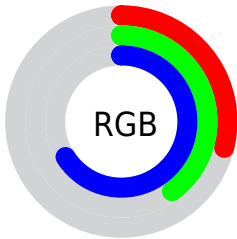
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	73, 95, 168
Decimal	4810408
CIE <sub>Lab</sub>	43.87, 9.53, -38.73
CIE <sub>LCh</sub>	44, 39.888, 283.820
Yxy	13.7464, 0.2166, 0.2044
Android (android.graphics.Color)	4283000488 (0xFF4966A8)
YUV	100.8530, 33.1035, -24.4271
Hunter-Lab	37.0761, 5.2481, -36.3036

# Details

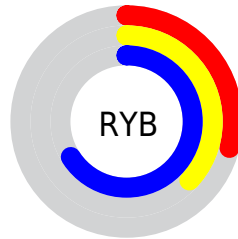
The Hex color **4966A8** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **A88B49**, and the grayscale version is **656565**.

A 20% lighter version of the original color is **8099E0**, and **013873** is the 20% darker color. If you saturate the color by 10%, you get **385AA8**, and if you desaturate by 10%, it is **5A72A8**.

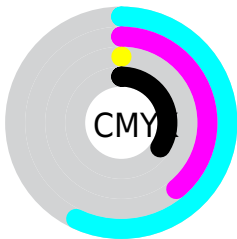
# Distribution



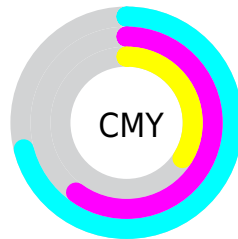
- Red (29%)
- Green (40%)
- Blue (66%)



- Red (29%)
- Yellow (37%)
- Blue (66%)



- Cyan (57%)
- Magenta (39%)
- Yellow (0%)
- Black (34%)



- Cyan (71%)
- Magenta (60%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4966A8 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 4966A8 by changing the saturation by 10% instead.



■ 4966A8

■ 4966A8

FFFFFF

■ 2C4E8D

■ 8099E0

■ 013873

■ 9CB3FC

■ 00235A

■ B8CFFF

■ 000D43

■ D5EBFF

■ 00032C

■ F2FFFF

■ 000116

■ 000000

■ 4966A8

■ 4966A8

■ 385AA8

■ 5A72A8

■ 274FA8

■ 6B7DA8

■ 1743A8

■ 7B89A8

■ 0637A8

■ 8C95A8

■ 0033A8

■ 9DA0A8

■ AEACA8

■ BFB8A8

■ CFC3A8

■ E0CFA8

# Harmonies

## Analogous

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



0070A7



4966A8



7E5998

# Triad

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



4966A8



9E533B



007754

# Complementary

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



4966A8



A88B49

# 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.



477336



4966A8



896026

# Square

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



4966A8



A54B5A



6C6B23



007876

# Rectangle

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



4966A8



945085



6C6B23



237649



# Sweetspot

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



4966A8



B6C1DB



49A88A



585E6E



EDEDED



6E6E6E



# Same Dimension

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



4966A8



4674DB



5A49A8



4C4E54



002D94



000614



# Inverse Universe

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



A84966



DB4674



97A849



544C4E



94002D

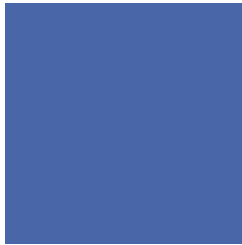


140006



# Previews

## White Background



This preview shows how the Hex color 4966A8 looks on a white background.

## Color Contrast Check

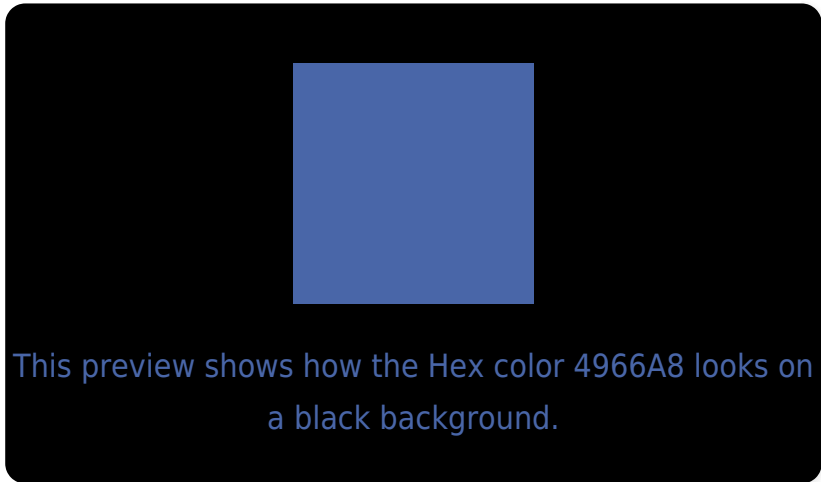
Large Text (above 18pt) WCAG AA ✓ Pass

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 4966A8 Background



This preview shows how black text looks on a background with the Hex color 4966A8.



This preview shows how white text looks on a background with the Hex color 4966A8.

# 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**  
4966A8

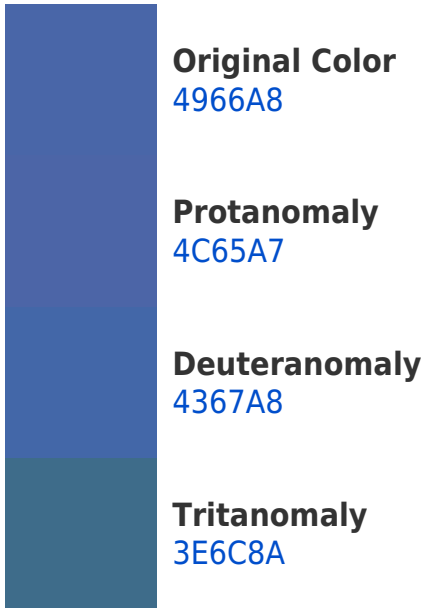
**Protanopia**  
4D65A7

**Deuteranopia**  
4068A8



**Tritanopia**  
377079

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4966A8 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 #4966A8 looks like.

```
.text, #text, p{  
    color:#4966A8  
}
```

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 #4966A8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4966A8  
}
```

## Border

The CSS property to change the border of an element to Hex 4966A8 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  
#4966A8 }
```

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

```
.border{ border-color:#4966A8 }
```

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

Here you see how a box with a 4 pixel #4966A8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4966A8; -webkit-box-shadow:4px 4px  
4px 4px #4966A8; box-shadow:4px 4px 4px  
4px #4966A8 }
```

# Background

The CSS property to change the background color of an element to Hex 4966A8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4966A8 }
```

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

```
.background{ background-color:#4966A8 }
```

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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