

# Converting Colors

Hex(4D86AF)

Have a look what the booklet for  
Hex(4D86AF) contains.

<b>Hex(4D86AF)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(4D86AF)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	4D86AF
RGB	77, 134, 175
RGB Percent	30%, 53%, 69%
CMY	0.6980, 0.4745, 0.3137
CMYK	0.56, 0.23, 0.00, 0.31
HSL	205°, 39%, 49%
HSV	205°, 56%, 69%
XYZ	19.3235, 21.7231, 43.7320
YIQ	121.6310, -47.1330, 0.6670

# Conversions

## Conversions Part 2

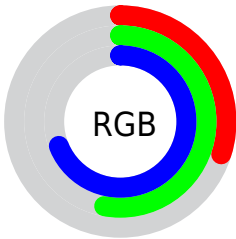
<b>Format</b>	<b>Color</b>
<b>RYB</b>	77, 113, 175
Decimal	5080751
CIELab	53.73, -6.57, -27.34
CIELCh	54, 28.112, 256.495
Yxy	21.7231, 0.2279, 0.2562
Android (android.graphics.Color)	4283270831 (0xFF4D86AF)
YUV	121.6310, 26.3109, -39.1414
Hunter-Lab	46.6081, -7.5587, -23.0057

# Details

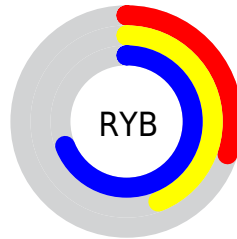
The Hex color **4D86AF** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **AF764D**, and the grayscale version is **797979**.

A 20% lighter version of the original color is **85BBE7**, and **06557A** is the 20% darker color. If you saturate the color by 10%, you get **3B7FAF**, and if you desaturate by 10%, it is **5E8DAF**.

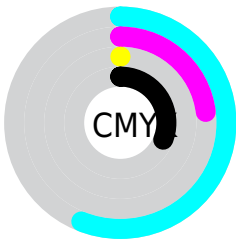
# Distribution



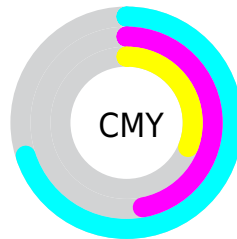
- Red (30%)
- Green (53%)
- Blue (69%)



- Red (30%)
- Yellow (44%)
- Blue (69%)



- Cyan (56%)
- Magenta (23%)
- Yellow (0%)
- Black (31%)



- Cyan (70%)
- Magenta (47%)
- Yellow (31%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 4D86AF 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 4D86AF by changing the saturation by 10% instead.



■ 4D86AF

■ 4D86AF

FFFFFF

■ 306D94

■ 85BBE7

■ 06557A

■ A1D7FF

■ 003E61

■ BDF3FF

■ 002849

■ DAFFFF

■ 001433

■ F8FFFF

■ 00021D

■ 000000

■ 4D86AF

■ 4D86AF

■ 3B7FAF

■ 5E8DAF

■ 2A77AF

■ 7095AF

■ 1970AF

■ 829CAF

■ 0769AF

■ 93A3AF

■ 0066AF

■ A4ABAF

■ B6B2AF

■ C7B9AF

■ D9C1AF

■ EBC8AF

# Harmonies

## Analogous

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



2C8BA3



4D86AF



747EAF

# Triad

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



4D86AF



B06E74



68895E

# Complementary

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



4D86AF



AF764D

# 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.



838351



4D86AF



AB735E

# Square

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



4D86AF



A96F8C



9B7B51



4A8D74

# Rectangle

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



4D86AF



8A78A7



9B7B51



718859



# Sweetspot

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



4D86AF



BCD3E3



4DAF76



5C6973



F2F2F2



737373



# Same Dimension

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



4D86AF



4BA3E3



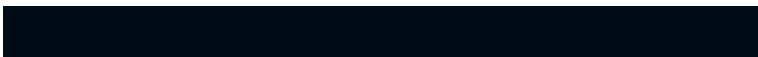
4D55AF



4E5357



005896



000D17



# Inverse Universe

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



AF4D86



E34BA3



AFA74D



574E53



960058



17000D



# Previews

## White Background



This preview shows how the Hex color 4D86AF looks on a white background.

## Color Contrast Check

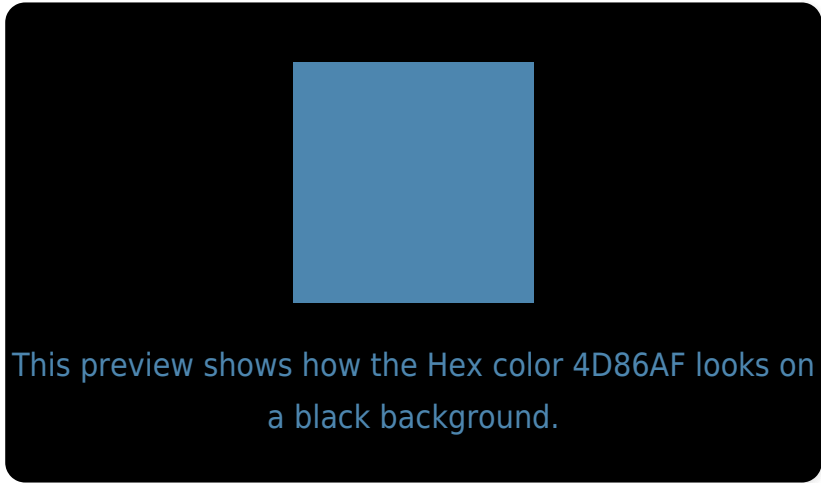
Large Text (above 18pt) WCAG AA ✓ Pass

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

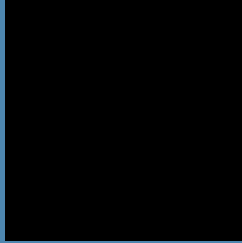
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

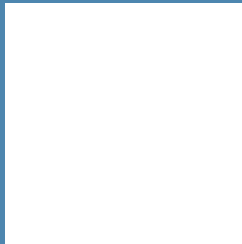
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 4D86AF Background



This preview shows how black text looks on a background with the Hex color 4D86AF.

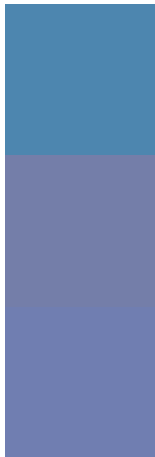


This preview shows how white text looks on a background with the Hex color 4D86AF.

# 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**  
4D86AF

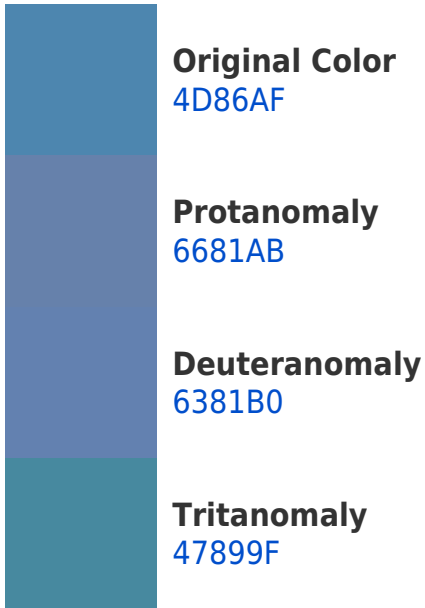
**Protanopia**  
747EA9

**Deuteranopia**  
707EB1

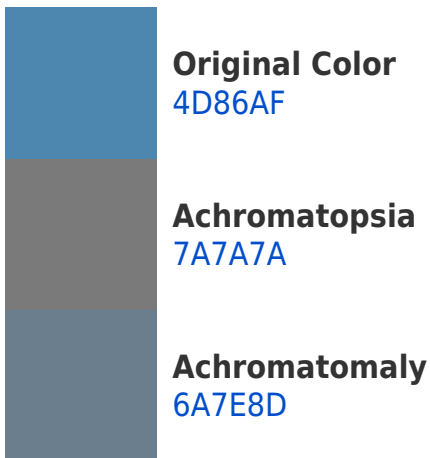


**Tritanopia**  
438B96

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 4D86AF 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 #4D86AF looks like.

```
.text, #text, p{  
    color:#4D86AF  
}
```

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 #4D86AF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #4D86AF
}
```

## Border

The CSS property to change the border of an element to Hex 4D86AF 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
#4D86AF }
```

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

```
.border{ border-color:#4D86AF }
```

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

Here you see how a box with a 4 pixel #4D86AF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #4D86AF; -webkit-box-shadow:4px 4px  
4px 4px #4D86AF; box-shadow:4px 4px 4px  
4px #4D86AF }
```

# Background

The CSS property to change the background color of an element to Hex 4D86AF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#4D86AF }
```

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

```
.background{ background-color:#4D86AF }
```

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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