

# Converting Colors

Hex(004F82)

Have a look what the booklet for  
Hex(004F82) contains.

<b>Hex(004F82)</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(004F82)**

# Conversions

## Conversions Part 1

Format	Color
Hex	004F82
RGB	0, 79, 130
RGB Percent	0%, 31%, 51%
CMY	1.0000, 0.6902, 0.4902
CMYK	1.00, 0.39, 0.00, 0.49
HSL	204°, 100%, 25%
HSV	204°, 100%, 51%
XYZ	6.8252, 7.2037, 22.1498
YIQ	61.1930, -63.4550, -0.8870

# Conversions

## Conversions Part 2

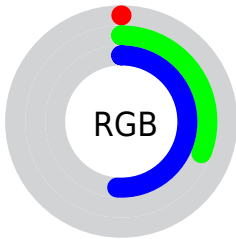
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 49, 130
Decimal	20354
CIELab	32.27, -0.22, -34.41
CIELCh	32, 34.408, 269.635
Yxy	7.2037, 0.1887, 0.1991
Android (android.graphics.Color)	4278210434 (0xFF004F82)
YUV	61.1930, 33.9219, -53.6663
Hunter-Lab	26.8397, -1.5774, -30.1422

# Details

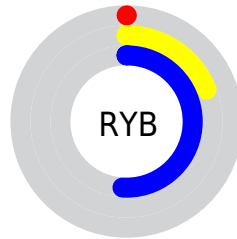
The Hex color **004F82** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **823300**, and the grayscale version is **3D3D3D**.

A 20% lighter version of the original color is **4D80B7**, and **002350** is the 20% darker color. If you saturate the color by 10%, you get **004F82**, and if you desaturate by 10%, it is **0D5482**.

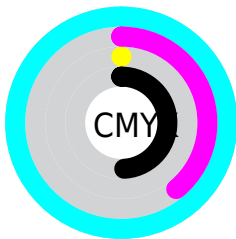
# Distribution



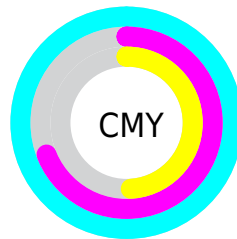
- Red (0%)
- Green (31%)
- Blue (51%)



- Red (0%)
- Yellow (19%)
- Blue (51%)



- Cyan (100%)
- Magenta (39%)
- Yellow (0%)
- Black (49%)



- Cyan (100%)
- Magenta (69%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 004F82 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 004F82 by changing the saturation by 10% instead.



004F82

004F82

FFFFFF

003869

4D80B7

002350

699AD3

000D39

86B4F0

000223

A2D0FF

000009

BEECFE

000000

DCFFFF

F9FFFF

004F82

■ 0D5482

■ 1A5982

■ 275E82

■ 346382

■ 416982

■ 4E6E82

■ 5B7382

■ 687882

■ 757D82

# Harmonies

## Analogous

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



00567A



004F82



4C457B

# Triad

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



004F82



7C3633



19572F

# Complementary

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



004F82



823300

# 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.



40521A



004F82



70401D

# Square

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



004F82



7C334D



5B4A12



00594B

# Rectangle

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



004F82



643D6F



5B4A12



295627



# Sweetspot

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



004F82



7694A8



008232



364854



D4D4D4



545454



# Same Dimension

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



004F82



0066A8



000F82



393D40



004D80



000000



# Inverse Universe

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



82004F



A80066



827300



40393D



80004D



000000



# Previews

## White Background



This preview shows how the Hex color 004F82 looks on a white background.

## Color Contrast Check

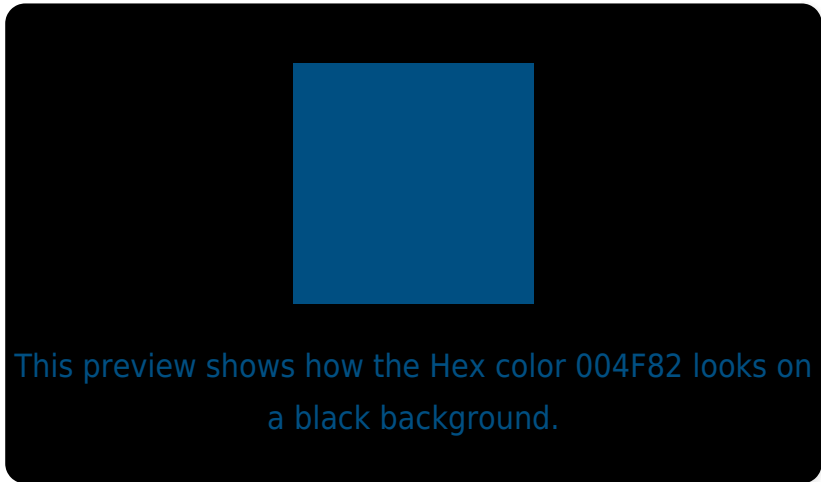
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

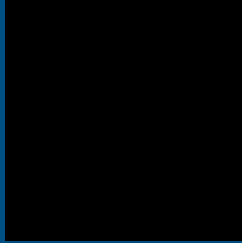
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 004F82 Background



This preview shows how black text looks on a background with the Hex color 004F82.



This preview shows how white text looks on a background with the Hex color 004F82.

# 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**  
00555B

# Trichromacy



**Original Color**  
004F82

**Protanomaly**  
234C7F

**Deuteranomaly**  
164E83

**Tritanomaly**  
005369

# Monochromacy



**Original Color**  
004F82

**Achromatopsia**  
3D3D3D

**Achromatomaly**  
274456

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 004F82 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 #004F82 looks like.

```
.text, #text, p{  
    color:#004F82  
}
```

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 #004F82 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #004F82
}
```

## Border

The CSS property to change the border of an element to Hex 004F82 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
#004F82 }
```

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

```
.border{ border-color:#004F82 }
```

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

Here you see how a box with a 4 pixel #004F82 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #004F82; -webkit-box-shadow:4px 4px  
4px 4px #004F82; box-shadow:4px 4px 4px  
4px #004F82 }
```

# Background

The CSS property to change the background color of an element to Hex 004F82 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#004F82 }
```

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

```
.background{ background-color:#004F82 }
```

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](#).



# Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor