

# Converting Colors

Hex(0066A2)

Have a look what the booklet for  
Hex(0066A2) contains.

<b>Hex(0066A2)</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(0066A2)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0066A2
RGB	0, 102, 162
RGB Percent	0%, 40%, 64%
CMY	1.0000, 0.6000, 0.3647
CMYK	1.00, 0.37, 0.00, 0.36
HSL	202°, 100%, 32%
HSV	202°, 100%, 64%
XYZ	11.2730, 12.1114, 35.9260
YIQ	78.3420, -80.0520, -2.9640

# Conversions

## Conversions Part 2

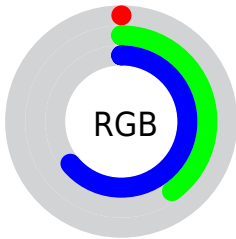
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 63, 162
Decimal	26274
CIELab	41.39, -1.72, -39.25
CIELCh	41, 39.287, 267.490
Yxy	12.1114, 0.1901, 0.2042
Android (android.graphics.Color)	4278216354 (0xFF0066A2)
YUV	78.3420, 41.2434, -68.7059
Hunter-Lab	34.8014, -3.0823, -36.8450

# Details

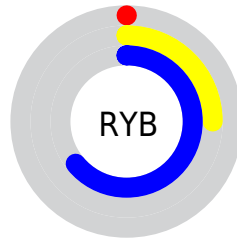
The Hex color **0066A2** is a dark color, and the websafe version is hex **006699**. A complement of this color would be **A23C00**, and the grayscale version is **4E4E4E**.

A 20% lighter version of the original color is **5799D9**, and **00386E** is the 20% darker color. If you saturate the color by 10%, you get **0066A2**, and if you desaturate by 10%, it is **106CA2**.

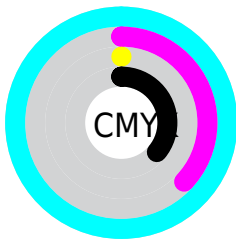
# Distribution



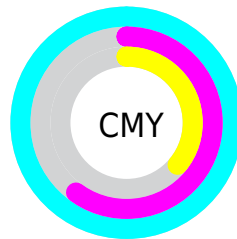
- Red (0%)
- Green (40%)
- Blue (64%)



- Red (0%)
- Yellow (25%)
- Blue (64%)



- Cyan (100%)
- Magenta (37%)
- Yellow (0%)
- Black (36%)



- Cyan (100%)
- Magenta (60%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0066A2 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 0066A2 by changing the saturation by 10% instead.



 0066A2

 0066A2

FFFFFF

 004E87

 5799D9

 00386E

 75B3F6

 002355

 92CFFF

 000C3E

 AFEBFF

 000327

 CDFFFF

 000110

 EBFFFF

 000000

 0066A2

 106CA2

■ 2072A2

■ 3178A2

■ 417EA2

■ 5184A2

■ 618AA2

■ 7190A2

■ 8296A2

■ 929CA2

# Harmonies

## Analogous

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



006E97



0066A2



5E5A9B

# Triad

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



0066A2



9C4846



2B6E3D

# Complementary

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



0066A2



A23C00

# 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.



566925



0066A2



8E532B

# Square

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



0066A2



9A4566



765F1D



00715E

# Rectangle

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



0066A2



7B518E



765F1D



3C6D34



# Sweetspot

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



0066A2



94BCD4



00A23B



455D6B



EBEBEB



6B6B6B



# Same Dimension

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



0066A2



0085D4



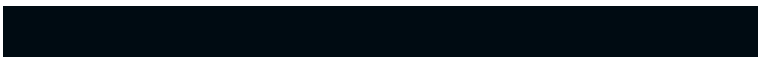
0016A2



494F52



005C91



000B12



# Inverse Universe

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



A20066



D40085



A28C00



52494F



91005C



12000B



# Previews

## White Background



This preview shows how the Hex color 0066A2 looks on a white background.

### Color Contrast Check

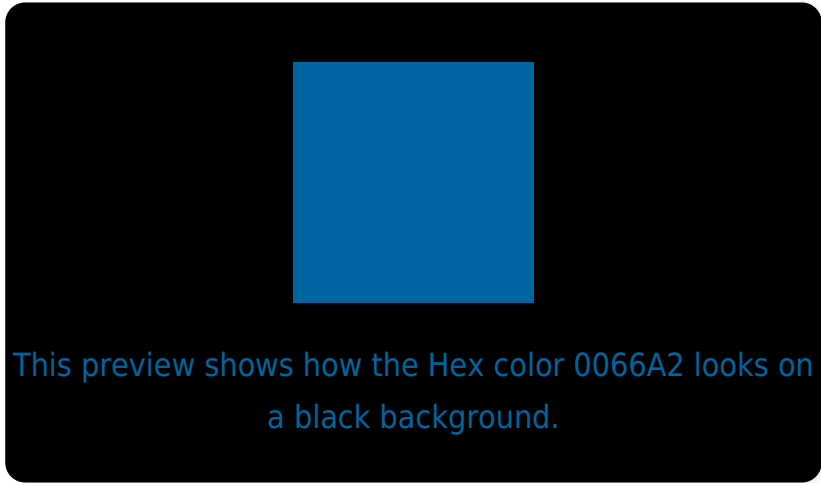
Large Text (above 18pt) WCAG AA ✓ Pass

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

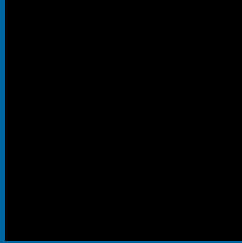
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0066A2 Background



This preview shows how black text looks on a background with the Hex color 0066A2.

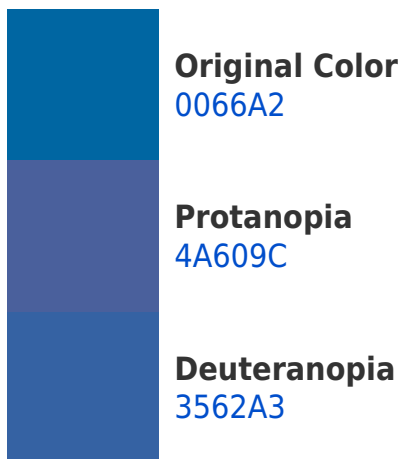


This preview shows how white text looks on a background with the Hex color 0066A2.

# 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**  
006C74

# Trichromacy



**Original Color**  
0066A2

**Protanomaly**  
2F629E

**Deuteranomaly**  
2263A3

**Tritanomaly**  
006A85

# Monochromacy



**Original Color**  
0066A2

**Achromatopsia**  
4E4E4E

**Achromatomaly**  
32576D

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0066A2 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 #0066A2 looks like.

```
.text, #text, p{  
    color:#0066A2  
}
```

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 #0066A2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0066A2
}
```

## Border

The CSS property to change the border of an element to Hex 0066A2 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
#0066A2 }
```

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

```
.border{ border-color:#0066A2 }
```

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

Here you see how a box with a 4 pixel #0066A2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0066A2; -webkit-box-shadow:4px 4px  
4px 4px #0066A2; box-shadow:4px 4px 4px  
4px #0066A2 }
```

# Background

The CSS property to change the background color of an element to Hex 0066A2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0066A2 }
```

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

```
.background{ background-color:#0066A2 }
```

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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