

Converting Colors

Hex(0046A3)

Have a look what the booklet for
Hex(0046A3) contains.

Hex(0046A3)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(0046A3)

Conversions

Conversions Part 1

Format	Color
Hex	0046A3
RGB	0, 70, 163
RGB Percent	0%, 27%, 64%
CMY	1.0000, 0.7255, 0.3608
CMYK	1.00, 0.57, 0.00, 0.36
HSL	214°, 100%, 32%
HSV	214°, 100%, 64%
XYZ	8.8010, 7.0247, 35.5424
YIQ	59.6720, -71.5730, 14.0830

Conversions

Conversions Part 2

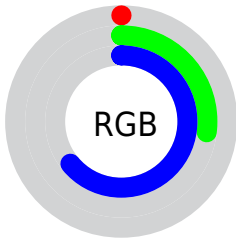
Format	Color
RYB	0, 49, 163
Decimal	18083
CIELab	31.86, 19.90, -55.19
CIELCh	32, 58.663, 289.828
Yxy	7.0247, 0.1713, 0.1368
Android (android.graphics.Color)	4278208163 (0xFF0046A3)
YUV	59.6720, 50.9407, -52.3323
Hunter-Lab	26.5041, 12.8911, -60.9559

Details

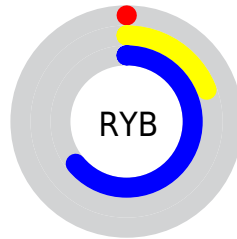
The Hex color **0046A3** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **A35D00**, and the grayscale version is **3B3B3B**.

A 20% lighter version of the original color is **5876DB**, and **001D6E** is the 20% darker color. If you saturate the color by 10%, you get **0046A3**, and if you desaturate by 10%, it is **104FA3**.

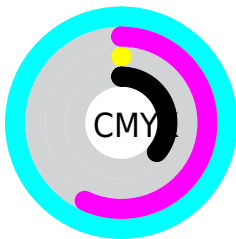
Distribution



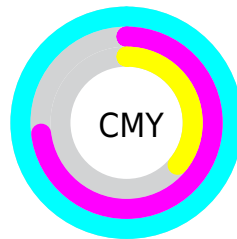
- Red (0%)
- Green (27%)
- Blue (64%)



- Red (0%)
- Yellow (19%)
- Blue (64%)



- Cyan (100%)
- Magenta (57%)
- Yellow (0%)
- Black (36%)



- Cyan (100%)
- Magenta (73%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Hex color 0046A3 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 0046A3 by changing the saturation by 10% instead.

■ 0046A3

■ 0046A3

FFFFFF

■ 003088

■ 5876DB

■ 001D6E

■ 768FF8

■ 000355

■ 93A9FF

■ 00063D

■ B1C4FF

■ 000326

■ CEE0FF

■ 00010F

■ ECFDFF

■ 000000

■ 0046A3

■ 104FA3

■ 2159A3

■ 3162A3

■ 416BA3

■ 5275A3

■ 627EA3

■ 7287A3

■ 8290A3

■ 939AA3

Harmonies

Analogous

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



0055A7



0046A3



712C87

Triad

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



0046A3



882C00



005D39

Complementary

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



0046A3



A35D00

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.



005A01



0046A3



694300

Square

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



0046A3



98052F



405200



005E69

Rectangle

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



0046A3



8B136C



405200



005C29

Sweetspot

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



0046A3



94AFD4



00A35C



45556B



EBEBEB



6B6B6B

Same Dimension

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



0046A3



005BD4



0B00A3



494D52



003E91



000812

Inverse Universe

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



A30046



D4005B



98A300



52494D



91003E



120008

Previews

White Background



This preview shows how the Hex color 0046A3 looks on a white background.

Color Contrast Check

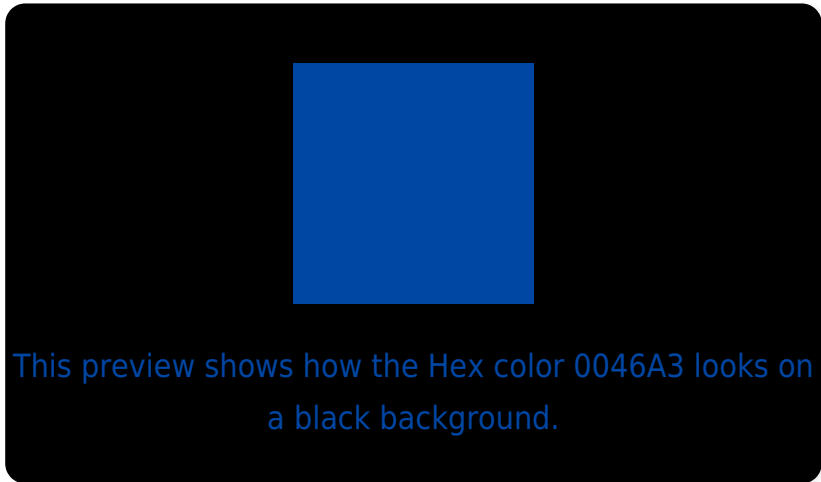
Large Text (above 18pt) WCAG AA ✓ Pass

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

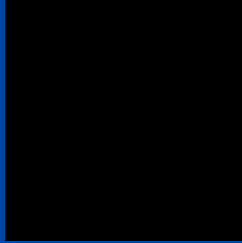
Any Text WCAG AA × Fail

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 0046A3 Background



This preview shows how black text looks on a background with the Hex color 0046A3.



This preview shows how white text looks on a background with the Hex color 0046A3.

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

0046A3

Protanopia

00489A

Deuteranopia

004D84

Trichromacy



Original Color
0046A3

Protanomaly
00479D

Deuteranomaly
004A8F

Tritanomaly
004F74

Monochromacy



Original Color
0046A3

Achromatopsia
3C3C3C

Achromatomaly
264061

CSS Examples

Text

The CSS property to change the color of the text to Hex 0046A3 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 #0046A3 looks like.

```
.text, #text, p{  
    color:#0046A3  
}
```

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 #0046A3 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0046A3
}
```

Border

The CSS property to change the border of an element to Hex 0046A3 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
#0046A3 }
```

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

```
.border{ border-color:#0046A3 }
```

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

Here you see how a box with a 4 pixel #0046A3 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0046A3; -webkit-box-shadow:4px 4px  
4px 4px #0046A3; box-shadow:4px 4px 4px  
4px #0046A3 }
```

Background

The CSS property to change the background color of an element to Hex 0046A3 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0046A3 }
```

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

```
.background{ background-color:#0046A3 }
```

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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