

Converting Colors

Hex(0042A3)

Have a look what the booklet for
Hex(0042A3) contains.

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Color

Hex(0042A3)

Conversions

Conversions Part 1

Format	Color
Hex	0042A3
RGB	0, 66, 163
RGB Percent	0%, 26%, 64%
CMY	1.0000, 0.7412, 0.3608
CMYK	1.00, 0.60, 0.00, 0.36
HSL	216°, 100%, 32%
HSV	216°, 100%, 64%
XYZ	8.5591, 6.5408, 35.4617
YIQ	57.3240, -70.4730, 16.1750

Conversions

Conversions Part 2

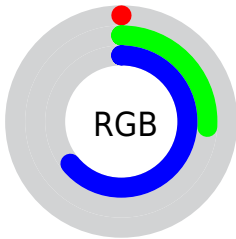
Format	Color
RYB	0, 47, 163
Decimal	17059
CIELab	30.74, 22.66, -57.02
CIELCh	31, 61.358, 291.670
Yxy	6.5408, 0.1693, 0.1294
Android (android.graphics.Color)	4278207139 (0xFF0042A3)
YUV	57.3240, 52.0983, -50.2731
Hunter-Lab	25.5749, 14.9818, -64.3079

Details

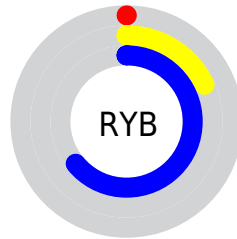
The Hex color **0042A3** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **A36100**, and the grayscale version is **393939**.

A 20% lighter version of the original color is **5871DB**, and **00196E** is the 20% darker color. If you saturate the color by 10%, you get **0042A3**, and if you desaturate by 10%, it is **104CA3**.

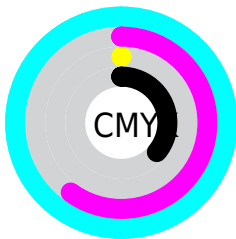
Distribution



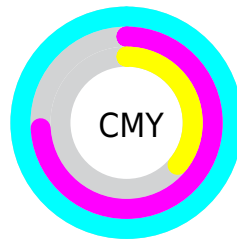
- Red (0%)
- Green (26%)
- Blue (64%)



- Red (0%)
- Yellow (18%)
- Blue (64%)



- Cyan (100%)
- Magenta (60%)
- Yellow (0%)
- Black (36%)



- Cyan (100%)
- Magenta (74%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the Hex color 0042A3 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 0042A3 by changing the saturation by 10% instead.

■ 0042A3

■ 0042A3

FFFFFF

■ 002D88

■ 5871DB

■ 00196E

■ 768AF8

■ 000055

■ 94A5FF

■ 00063D

■ B1C0FF

■ 000326

■ CFDBFF

■ 00010F

■ EDF8FF

■ 000000

■ 0042A3

■ 104CA3

■ 2155A3

■ 315FA3

■ 4169A3

■ 5272A3

■ 627CA3

■ 7286A3

■ 8290A3

■ 9399A3

Harmonies

Analogous

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



0053A9



0042A3



722485

Triad

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



0042A3



852800



005B39

Complementary

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



0042A3



A36100

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.



005800



0042A3



644200

Square

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



0042A3



980029



395000



005C6B

Rectangle

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



0042A3



8C0068



395000



005A28

Sweetspot

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



0042A3



94AED4



00A35F



45546B



EBEBEB



6B6B6B

Same Dimension

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



0042A3



0056D4



0E00A3



494D52



003B91



000712

Inverse Universe

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



A30042



D40056



95A300



52494D



91003B



120007

Previews

White Background



This preview shows how the Hex color 0042A3 looks on a white background.

Color Contrast Check

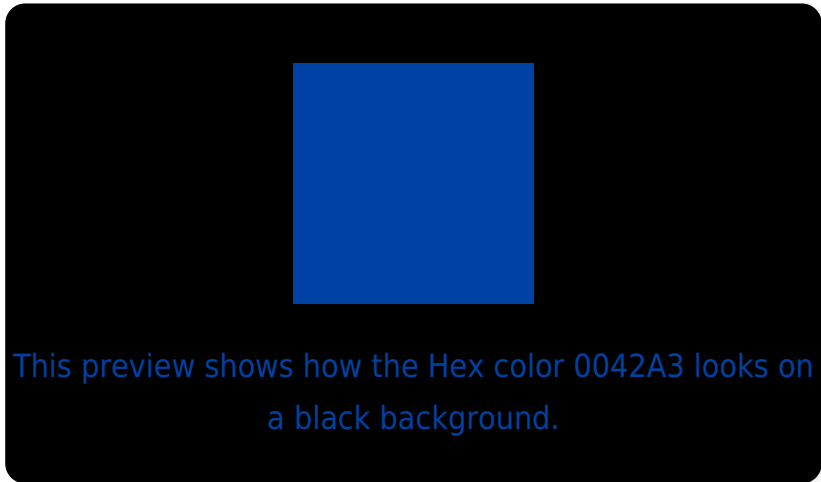
Large Text (above 18pt) WCAG AA ✓ Pass

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

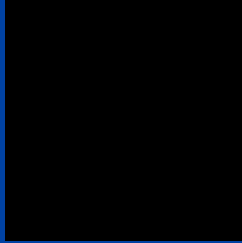
Any Text WCAG AA × Fail

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 0042A3 Background



This preview shows how black text looks on a background with the Hex color 0042A3.



This preview shows how white text looks on a background with the Hex color 0042A3.

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

0042A3

Protanopia

004694

Deuteranopia

004B7F

Trichromacy



Original Color
0042A3

Protanomaly
004599

Deuteranomaly
00488C

Tritanomaly
004C72

Monochromacy



Original Color
0042A3

Achromatopsia
393939

Achromatomaly
243C60

CSS Examples

Text

The CSS property to change the color of the text to Hex 0042A3 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 #0042A3 looks like.

```
.text, #text, p{  
    color:#0042A3  
}
```

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 #0042A3 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0042A3
}
```

Border

The CSS property to change the border of an element to Hex 0042A3 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
#0042A3 }
```

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

```
.border{ border-color:#0042A3 }
```

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

Here you see how a box with a 4 pixel #0042A3 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0042A3; -webkit-box-shadow:4px 4px  
4px 4px #0042A3; box-shadow:4px 4px 4px  
4px #0042A3 }
```

Background

The CSS property to change the background color of an element to Hex 0042A3 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0042A3 }
```

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

```
.background{ background-color:#0042A3 }
```

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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