

# Converting Colors

Hex(0034A6)

Have a look what the booklet for  
Hex(0034A6) contains.

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# Color

**Hex(0034A6)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	0034A6
RGB	0, 52, 166
RGB Percent	0%, 20%, 65%
CMY	1.0000, 0.7961, 0.3490
CMYK	1.00, 0.69, 0.00, 0.35
HSL	221°, 100%, 33%
HSV	221°, 100%, 65%
XYZ	8.1109, 5.2092, 36.6544
YIQ	49.4480, -67.5860, 24.4300

# Conversions

## Conversions Part 2

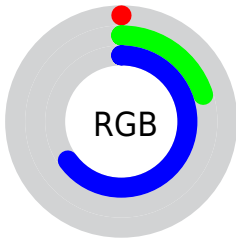
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 40, 166
Decimal	13478
CIELab	27.32, 33.40, -64.44
CIELCh	27, 72.575, 297.397
Yxy	5.2092, 0.1623, 0.1042
Android (android.graphics.Color)	4278203558 (0xFF0034A6)
YUV	49.4480, 57.4601, -43.3659
Hunter-Lab	22.8236, 23.4932, -79.2425

# Details

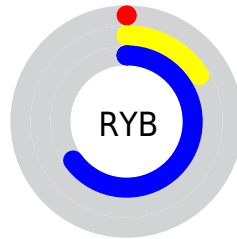
The Hex color **0034A6** is a dark color, and the websafe version is hex **003399**. A complement of this color would be **A67200**, and the grayscale version is **313131**.

A 20% lighter version of the original color is **5A62DE**, and **000D71** is the 20% darker color. If you saturate the color by 10%, you get **0034A6**, and if you desaturate by 10%, it is **113FA6**.

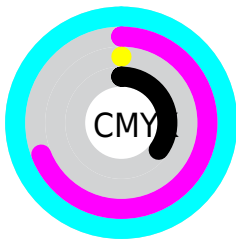
# Distribution



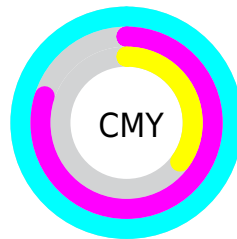
- Red (0%)
- Green (20%)
- Blue (65%)



- Red (0%)
- Yellow (16%)
- Blue (65%)



- Cyan (100%)
- Magenta (69%)
- Yellow (0%)
- Black (35%)



- Cyan (100%)
- Magenta (80%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0034A6 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 0034A6 by changing the saturation by 10% instead.



■ 0034A6

■ 0034A6

FFFFFF

■ 001F8B

■ 5A62DE

■ 000D71

■ 797BFB

■ 000057

■ 9795FF

■ 00063F

■ B5B0FF

■ 000328

■ D3CBFF

■ 000112

■ F1E7FF

■ 000000

■ 0034A6

■ 113FA6

 214BA6

 3256A6

 4262A6

 536DA6

 6478A6

 7484A6

 858FA6

 959BA6

# Harmonies

## Analogous

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



004BB3



0034A6



7A007E

# Triad

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



0034A6



7D1E00



00543A

# Complementary

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



0034A6



A67200

# 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.



005200



0034A6



543D00

# Square

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



0034A6



960012



174B00



005573

# Rectangle

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



0034A6



93005A



174B00



005326



# Sweetspot

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



0034A6



98ACD9



00A671



46536E



EDEDED



6E6E6E



# Same Dimension

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



0034A6



0044D9



1E00A6



4C4E54



002E94



000614



# Inverse Universe

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



A60034



D90044



88A600



544C4E



94002E



140006



# Previews

## White Background



This preview shows how the Hex color 0034A6 looks on a white background.

## Color Contrast Check

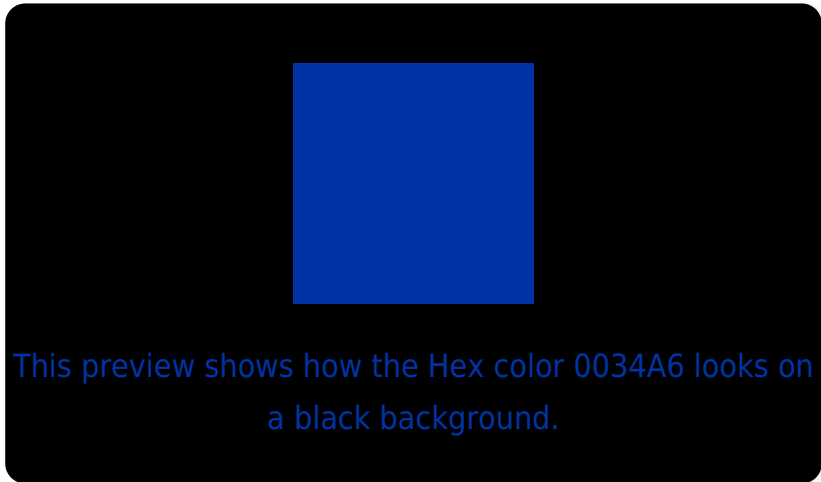
Large Text (above 18pt) WCAG AA ✓ Pass

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

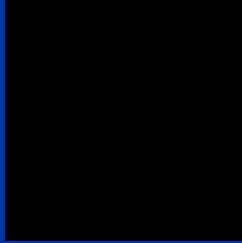
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 0034A6 Background



This preview shows how black text looks on a background with the Hex color 0034A6.



This preview shows how white text looks on a background with the Hex color 0034A6.

# 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**  
0034A6

**Protanopia**  
003F84

**Deuteranopia**  
004371



**Tritanopia**  
00484C

# Trichromacy



**Original Color**  
0034A6

**Protanomaly**  
003B90

**Deuteranomaly**  
003E84

**Tritanomaly**  
00416D

# Monochromacy



**Original Color**  
0034A6

**Achromatopsia**  
313131

**Achromatomaly**  
1F325C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0034A6 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 #0034A6 looks like.

```
.text, #text, p{  
    color:#0034A6  
}
```

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 #0034A6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0034A6
}
```

## Border

The CSS property to change the border of an element to Hex 0034A6 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
#0034A6 }
```

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

```
.border{ border-color:#0034A6 }
```

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

Here you see how a box with a 4 pixel #0034A6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0034A6; -webkit-box-shadow:4px 4px  
4px 4px #0034A6; box-shadow:4px 4px 4px  
4px #0034A6 }
```

# Background

The CSS property to change the background color of an element to Hex 0034A6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0034A6 }
```

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

```
.background{ background-color:#0034A6 }
```

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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