

# Converting Colors

Hex(FF40B6)

Have a look what the booklet for  
Hex(FF40B6) contains.

<b>Hex(FF40B6)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

# Color

**Hex(F40B6)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FF40B6
RGB	255, 64, 182
RGB Percent	100%, 25%, 71%
CMY	0.0000, 0.7490, 0.2863
CMYK	0.00, 0.75, 0.29, 0.00
HSL	323°, 100%, 63%
HSV	323°, 75%, 100%
XYZ	51.5169, 28.3042, 47.0040
YIQ	134.5610, 75.9580, 77.1900

# Conversions

## Conversions Part 2

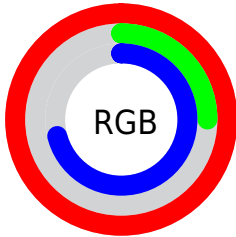
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	255, 64, 182
Decimal	16728246
CIE <sub>Lab</sub>	60.16, 79.38, -19.84
CIE <sub>LCh</sub>	60, 81.823, 345.967
Yxy	28.3042, 0.4062, 0.2232
Android (android.graphics.Color)	4294918326 (0xFFFF40B6)
YUV	134.5610, 23.3874, 105.6250
Hunter-Lab	53.2017, 79.7443, -15.1419

# Details

The Hex color **FF40B6** is a light color, and the websafe version is hex **FF66CC**. The color can be described as light washed rose. A complement of this color would be **40FF89**, and the grayscale version is **868686**.

A 20% lighter version of the original color is **FF80EE**, and **C10081** is the 20% darker color. If you saturate the color by 10%, you get **FF26AC**, and if you desaturate by 10%, it is **FF5AC0**.

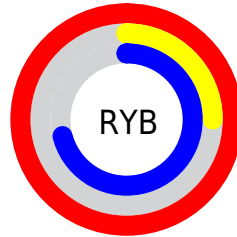
# Distribution



Red (100%)

Green (25%)

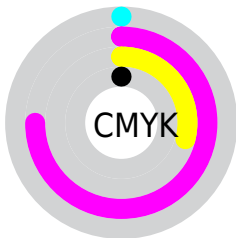
Blue (71%)



Red (100%)

Yellow (25%)

Blue (71%)

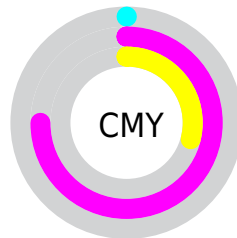


Cyan (0%)

Magenta (75%)

Yellow (29%)

Black (0%)



Cyan (0%)

Magenta (75%)

Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the Hex color FF40B6 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 FF40B6 by changing the saturation by 10% instead.



 FF40B6

 FF40B6

FFFFFF

 E00F9B

 FF80EE

 C10081

 FF9FFF

 A30068

 FFBDFE

 860050

 FFDBFF

 680038

 FFF9FF

 4D0023

 2F0009

 000000

 FF40B6

 FF40B6

■ FF26AC

■ FF5AC0

■ FF0DA3

■ FF73C9

■ FF009E

■ FF8DD3

■ FFA6DD

■ FFC0E7

■ FFD9F0

■ FFF3FA

FFFFFF

# Harmonies

## Analogous

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



C269F6



FF40B6



FF3A6E

# Triad

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



FF40B6



8B9A00



00AEF8

# Complementary

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



FF40B6



40FF89

# 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.



00B0B7



FF40B6



26A819

# Square

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



FF40B6



CB8100



00AE6B



00A3FF

# Rectangle

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



FF40B6



FF5140



00AE6B



00AFE5



# Sweetspot

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



FF40B6



FFC7EA



8640FF



805E73



000000



808080



# Same Dimension

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



FF40B6



FF19A7



FF4059



80737B



BF0076



400027



# Inverse Universe

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



FF40B6



FF19A7



40FFE6



80737B



BF0076



400027



# Previews

## White Background



This preview shows how the Hex color FF40B6 looks on a white background.

## Color Contrast Check

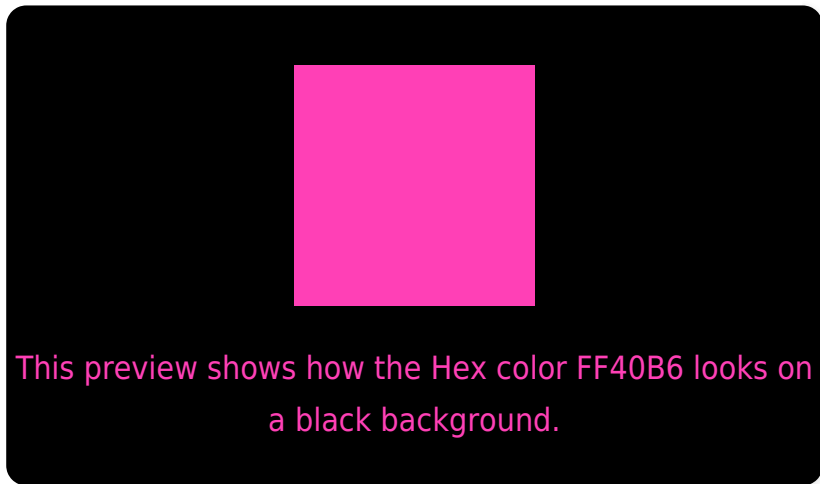
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black 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

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



## Hex FF40B6 Background



This preview shows how black text looks on a background with the Hex color FF40B6.

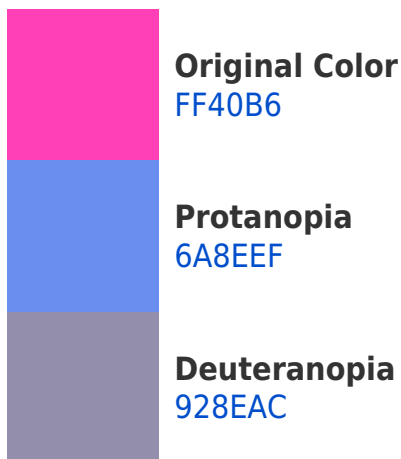


This preview shows how white text looks on a background with the Hex color FF40B6.

# 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**  
F85A60

# Trichromacy



**Original Color**  
FF40B6



**Protanomaly**  
A072DA



**Deuteranomaly**  
BA72B0



**Tritanomaly**  
FB517F

# Monochromacy



**Original Color**  
FF40B6



**Achromatopsia**  
878787



**Achromatomaly**  
B36D98

# CSS Examples

## Text

The CSS property to change the color of the text to Hex FF40B6 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 #FF40B6 looks like.

```
.text, #text, p{  
    color:#FF40B6  
}
```

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 #FF40B6 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #FF40B6
}
```

## Border

The CSS property to change the border of an element to Hex FF40B6 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
#FF40B6 }
```

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

```
.border{ border-color:#FF40B6 }
```

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

Here you see how a box with a 4 pixel #FF40B6 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #FF40B6; -webkit-box-shadow:4px 4px  
4px 4px #FF40B6; box-shadow:4px 4px 4px  
4px #FF40B6 }
```

# Background

The CSS property to change the background color of an element to Hex FF40B6 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#FF40B6 }
```

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

```
.background{ background-color:#FF40B6 }
```

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