

# Converting Colors

Hex(40FE76)

Have a look what the booklet for  
Hex(40FE76) contains.

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**Color**

**Hex(40FE76)**

# Conversions

## Conversions Part 1

Format	Color
Hex	40FE76
RGB	64, 254, 118
RGB Percent	25%, 100%, 46%
CMY	0.7490, 0.0039, 0.5373
CMYK	0.75, 0.00, 0.54, 0.00
HSL	137°, 99%, 62%
HSV	137°, 75%, 100%
XYZ	40.8262, 73.2816, 29.1325
YIQ	181.6860, -69.5840, -82.5760

# Conversions

## Conversions Part 2

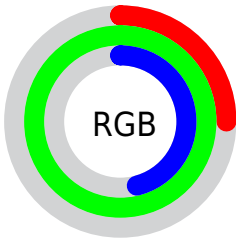
Format	Color
<a href="#">RYB</a>	<a href="#">64, 212, 254</a>
Decimal	<a href="#">4259446</a>
CIELab	<a href="#">88.58, -73.53, 51.44</a>
CIELCh	<a href="#">89, 89.734, 145.024</a>
Yxy	<a href="#">73.2816, 0.2850, 0.5116</a>
Android (android.graphics.Color)	<a href="#">4282449526 (0xFF40FE76)</a>
YUV	<a href="#">181.6860, -31.3972, -103.2106</a>
Hunter-Lab	<a href="#">85.6047, -64.6788, 39.7460</a>

# Details

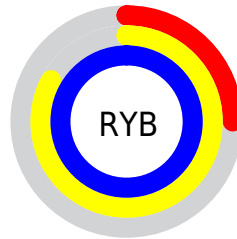
The Hex color **40FE76** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **FE40C8**, and the grayscale version is **B6B6B6**.

A 20% lighter version of the original color is **8AFFAD**, and **00C441** is the 20% darker color. If you saturate the color by 10%, you get **27FE64**, and if you desaturate by 10%, it is **59FE88**.

# Distribution



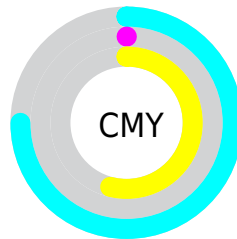
- Red (25%)
- Green (100%)
- Blue (46%)



- Red (25%)
- Yellow (83%)
- Blue (100%)



- Cyan (75%)
- Magenta (0%)
- Yellow (54%)
- Black (0%)



- Cyan (75%)
- Magenta (0%)
- Yellow (54%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 40FE76 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 40FE76 by changing the saturation by 10% instead.



 40FE76

FFFFFF

 8AFFAD

 AAFFC9

 CAFFE6

 EAFFFF

 40FE76

 00E15B

 00C441

 00A725

 008C00

 007100

 005700

 003E00

 002400

 000000

 40FE76

 40FE76

 27FE64

 59FE88

 0DFE52

 73FE9A

 00FE48

 8CFEAD

 A6FEBF

 BFFED1

 D8FEE3

 F2FEF5

FFFEFF

# Harmonies

## Analogous

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



C2EF27



40FE76



00FFCD

# Triad

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



40FE76



00EDFF



FF919B

# Complementary

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



40FE76



FE40C8

# 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.



FF89F0



40FE76



C1CEFF

# Square

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



40FE76



00FFFF



FFA6FF



FFB350

# Rectangle

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



40FE76



00FFFF



FFA6FF



FF8AB7

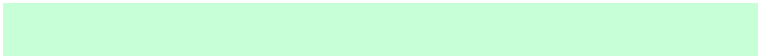


# Sweetspot

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



40FE76



C7FFD7



C8FE40



5E8068



000000



808080



# Same Dimension

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



40FE76



19FF5B



40FED5



738076



00BF36



004012



# Inverse Universe

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



FE40C8



FF19BE



FE4069



80737C



BF0089

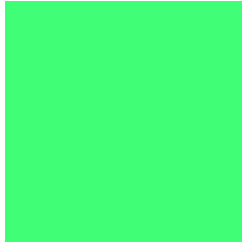


40002E



# Previews

## White Background



This preview shows how the Hex color 40FE76 looks on a white background.

## Color Contrast Check

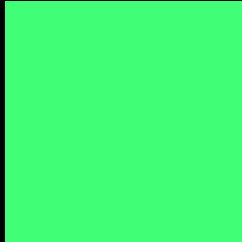
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 40FE76 looks on a 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 ✓ Pass

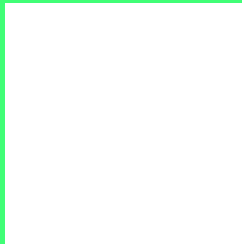
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 40FE76 Background



This preview shows how black text looks on a background with the Hex color 40FE76.

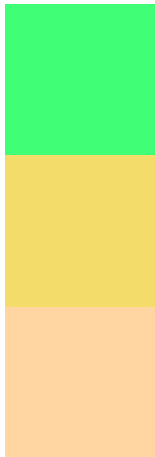


This preview shows how white text looks on a background with the Hex color 40FE76.

# 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](#).

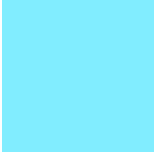
## Dichromacy



**Original Color**  
E67E22

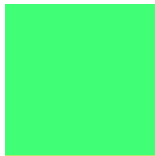
**Protanopia**  
F4DC6B

**Deuteranopia**  
FFD5A2



**Tritanopia**  
81EDFF

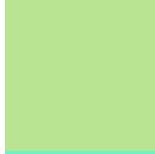
# Trichromacy



**Original Color**  
40FE76



**Protanomaly**  
B3E86F



**Deuteranomaly**  
BAE492

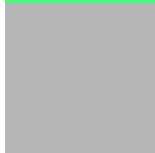


**Tritanomaly**  
69F3CD

# Monochromacy



**Original Color**  
40FE76



**Achromatopsia**  
B6B6B6



**Achromatomaly**  
8BD09F

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 40FE76 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 #40FE76 looks like.

```
.text, #text, p{  
    color:#40FE76  
}
```

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 #40FE76 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #40FE76
}
```

## Border

The CSS property to change the border of an element to Hex 40FE76 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
#40FE76 }
```

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

```
.border{ border-color:#40FE76 }
```

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

Here you see how a box with a 4 pixel #40FE76 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #40FE76; -webkit-box-shadow:4px 4px  
4px 4px #40FE76; box-shadow:4px 4px 4px  
4px #40FE76 }
```

# Background

The CSS property to change the background color of an element to Hex 40FE76 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#40FE76 }
```

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

```
.background{ background-color:#40FE76 }
```

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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