

# Converting Colors

Hex(40FF90)

Have a look what the booklet for  
Hex(40FF90) contains.

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**Color**

**Hex(40FF90)**

# Conversions

## Conversions Part 1

Format	Color
Hex	40FF90
RGB	64, 255, 144
RGB Percent	25%, 100%, 56%
CMY	0.7490, 0.0000, 0.4353
CMYK	0.75, 0.00, 0.44, 0.00
HSL	145°, 100%, 63%
HSV	145°, 75%, 100%
XYZ	42.9084, 74.6236, 38.5278
YIQ	185.2370, -78.2050, -75.0130

# Conversions

## Conversions Part 2

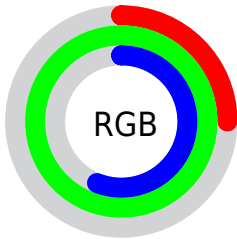
Format	Color
<a href="#">RYB</a>	<a href="#">64, 199, 255</a>
Decimal	<a href="#">4259728</a>
CIELab	<a href="#">89.22, -69.95, 39.95</a>
CIELCh	<a href="#">89, 80.557, 150.272</a>
Yxy	<a href="#">74.6236, 0.2749, 0.4782</a>
Android (android.graphics.Color)	<a href="#">4282449808 (0xFF40FF90)</a>
YUV	<a href="#">185.2370, -20.3298, -106.3248</a>
Hunter-Lab	<a href="#">86.3850, -62.5107, 34.0260</a>

# Details

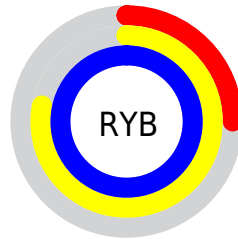
The Hex color **40FF90** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **FF40AF**, and the grayscale version is **B9B9B9**.

A 20% lighter version of the original color is **89FFC7**, and **00C55C** is the 20% darker color. If you saturate the color by 10%, you get **26FF81**, and if you desaturate by 10%, it is **5AFF9F**.

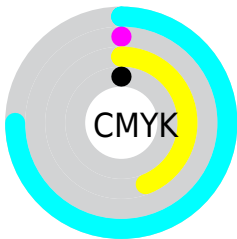
# Distribution



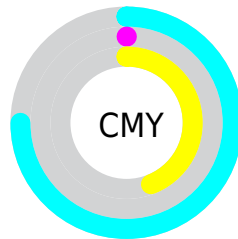
- Red (25%)
- Green (100%)
- Blue (56%)



- Red (25%)
- Yellow (78%)
- Blue (100%)



- Cyan (75%)
- Magenta (0%)
- Yellow (44%)
- Black (0%)



- Cyan (75%)
- Magenta (0%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 40FF90 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 40FF90 by changing the saturation by 10% instead.



 40FF90

FFFFFF

 89FFC7

 AAFFE3

 C9FFFF

 E9FFFF

 40FF90

 00E276

 00C55C

 00A943

 008D29

 00720E

 005800

 003F00

 002600

 000000

 40FF90

 40FF90

 26FF81

 5AFF9F

 0DFF72

 73FFAE

 00FF6B

 8DFFBC

 A6FFCB

 C0FFDA

 D9FFE9

 F3FFF8

FFFFFF

# Harmonies

## Analogous

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



BAF24F



40FF90



00FFDE

# Triad

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



40FF90



00E9FF



FFA297

# Complementary

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



40FF90



FF40AF

# 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.



FF97E3



40FF90



E1CBFF

# Square

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



40FF90



00FBFF



FFAAFF



FFBF58

# Rectangle

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



40FF90



00FFFF



FFAAFF



FF9BAF

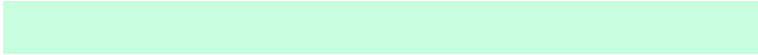


# Sweetspot

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



40FF90



C7FFDE



AFFF40



5E806C



000000



808080



# Same Dimension

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



40FF90



19FF7A



40FFE0



738078



00BF50



00401B



# Inverse Universe

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



FF40AF



FF199F



FF4050



80737A



BF006F

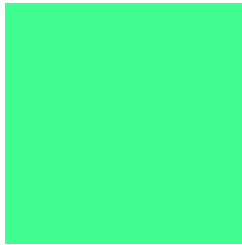


400025



# Previews

## White Background



This preview shows how the Hex color 40FF90 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 40FF90 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 40FF90 Background



This preview shows how black text looks on a background with the Hex color 40FF90.

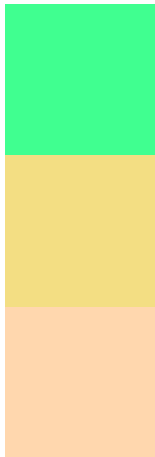


This preview shows how white text looks on a background with the Hex color 40FF90.

# 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](#).

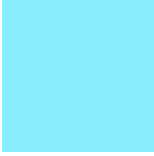
## Dichromacy



**Original Color**  
40FF90

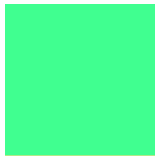
**Protanopia**  
F3DE83

**Deuteranopia**  
FFD7AE



**Tritanopia**  
8AEEFF

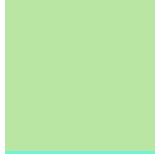
# Trichromacy



**Original Color**  
40FF90



**Protanomaly**  
B2EA88



**Deuteranomaly**  
BAE6A3

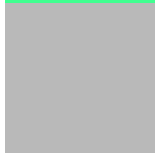


**Tritanomaly**  
6FF4D7

# Monochromacy



**Original Color**  
40FF90



**Achromatopsia**  
B9B9B9



**Achromatomaly**  
8DD2AA

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 40FF90 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 #40FF90 looks like.

```
.text, #text, p{  
    color:#40FF90  
}
```

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 #40FF90 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #40FF90
}
```

## Border

The CSS property to change the border of an element to Hex 40FF90 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
#40FF90 }
```

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

```
.border{ border-color:#40FF90 }
```

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

Here you see how a box with a 4 pixel #40FF90 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #40FF90; -webkit-box-shadow:4px 4px  
4px 4px #40FF90; box-shadow:4px 4px 4px  
4px #40FF90 }
```

# Background

The CSS property to change the background color of an element to Hex 40FF90 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#40FF90 }
```

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

```
.background{ background-color:#40FF90 }
```

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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