

# Converting Colors

Hex(40A6FF)

Have a look what the booklet for  
Hex(40A6FF) contains.

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# **Color**

**Hex(40A6FF)**

# Conversions

## Conversions Part 1

Format	Color
Hex	40A6FF
RGB	64, 166, 255
RGB Percent	25%, 65%, 100%
CMY	0.7490, 0.3490, 0.0000
CMYK	0.75, 0.35, 0.00, 0.00
HSL	208°, 100%, 63%
HSV	208°, 75%, 100%
XYZ	33.8006, 35.5824, 99.6944
YIQ	145.6480, -89.3610, 6.0550

# Conversions

## Conversions Part 2

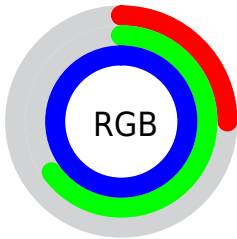
Format	Color
R <sub>YB</sub>	64, 130, 255
Decimal	4237055
CIE <sub>Lab</sub>	66.20, -0.07, -52.48
CIE <sub>LCh</sub>	66, 52.484, 269.926
Yxy	35.5824, 0.1999, 0.2105
Android (android.graphics.Color)	4282427135 (0xFF40A6FF)
YUV	145.6480, 53.9105, -71.6053
Hunter-Lab	59.6510, -3.2442, -57.3353

# Details

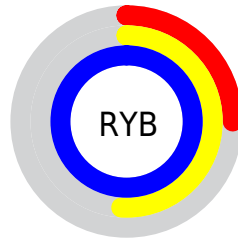
The Hex color **40A6FF** is a light color, and the websafe version is hex **0099FF**. The color can be described as light washed azure. A complement of this color would be **FF9940**, and the grayscale version is **919191**.

A 20% lighter version of the original color is **87DDFF**, and **0073C6** is the 20% darker color. If you saturate the color by 10%, you get **269AFF**, and if you desaturate by 10%, it is **5AB2FF**.

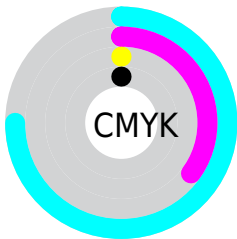
# Distribution



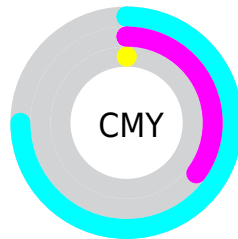
- Red (25%)
- Green (65%)
- Blue (100%)



- Red (25%)
- Yellow (51%)
- Blue (100%)



- Cyan (75%)
- Magenta (35%)
- Yellow (0%)
- Black (0%)



- Cyan (75%)
- Magenta (35%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 40A6FF 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 40A6FF by changing the saturation by 10% instead.



 40A6FF

 40A6FF

FFFFFF

 008CE2


 87DDFF

 0073C6

 A7F9FF

 005BAA

 C6FFFF

 00448F

 E5FFFF

 002E75

 001B5C

 000744

 00032C

 000117

 40A6FF

 40A6FF

 269AFF

 5AB2FF

 0D8EFF

 73BEFF

 0088FF

 8DCAFF

 A6D6FF

 C0E1FF

 D9EDFF

 F3F9FF

FFFFFF

# Harmonies

## Analogous

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



00B2F2



40A6FF



A395F3

# Triad

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



40A6FF



F67D75



4DB470

# Complementary

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



40A6FF



FF9940

# 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.



8CAC4B



40A6FF



E18D50

# Square

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



40A6FF



F678A3



BC9E3E



00B89F

# Rectangle

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



40A6FF



CB88DE



BC9E3E



66B262

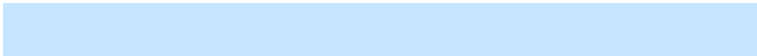


# Sweetspot

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



40A6FF



C7E5FF



40FF96



5E7080



000000



808080



# Same Dimension

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



40A6FF



1994FF



404AFF



737A80



0066BF



002240



# Inverse Universe

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



FF40A6



FF1994



FFF540



80737A



BF0066



400022



# Previews

## White Background



This preview shows how the Hex color 40A6FF looks on a white background.

## Color Contrast Check

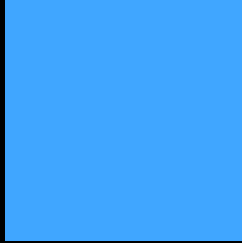
Large Text (above 18pt) WCAG AA × Fail

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 40A6FF looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

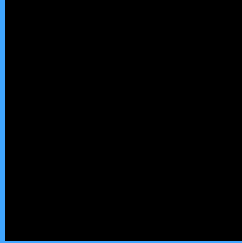
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

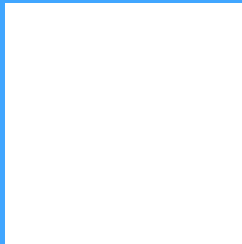
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 40A6FF Background



This preview shows how black text looks on a background with the Hex color 40A6FF.

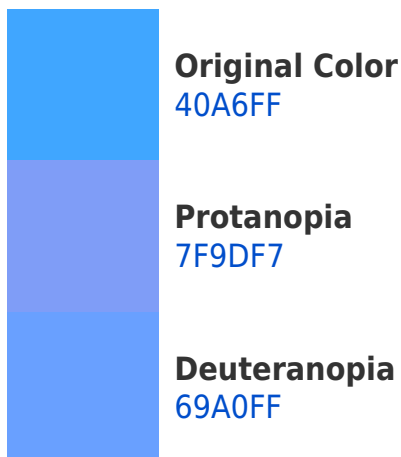


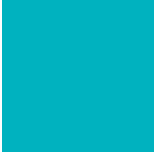
This preview shows how white text looks on a background with the Hex color 40A6FF.

# 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](#).

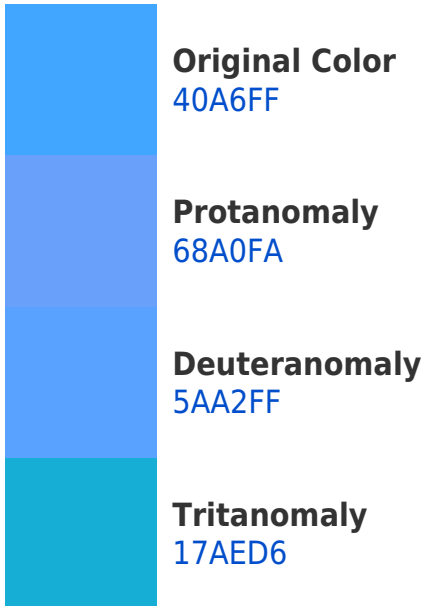
## Dichromacy



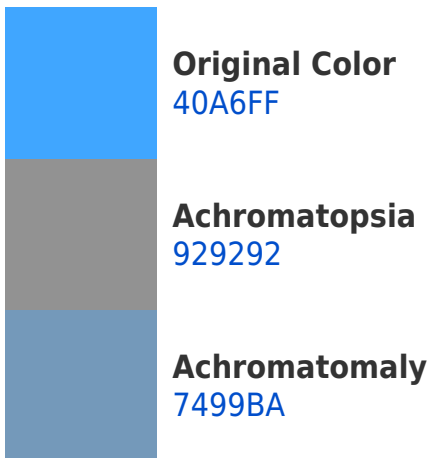


**Tritanopia**  
00B2BF

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 40A6FF 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 #40A6FF looks like.

```
.text, #text, p{  
    color:#40A6FF  
}
```

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 #40A6FF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #40A6FF
}
```

## Border

The CSS property to change the border of an element to Hex 40A6FF 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
#40A6FF }
```

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

```
.border{ border-color:#40A6FF }
```

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

Here you see how a box with a 4 pixel #40A6FF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #40A6FF; -webkit-box-shadow:4px 4px  
4px 4px #40A6FF; box-shadow:4px 4px 4px  
4px #40A6FF }
```

# Background

The CSS property to change the background color of an element to Hex 40A6FF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#40A6FF }
```

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

```
.background{ background-color:#40A6FF }
```

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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