

# Converting Colors

Hex(40AFF2)

Have a look what the booklet for  
Hex(40AFF2) contains.

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# **Color**

**Hex(40AFF2)**

# Conversions

## Conversions Part 1

Format	Color
Hex	40AFF2
RGB	64, 175, 242
RGB Percent	25%, 69%, 95%
CMY	0.7490, 0.3137, 0.0510
CMYK	0.74, 0.28, 0.00, 0.05
HSL	203°, 87%, 60%
HSV	203°, 74%, 95%
XYZ	33.4713, 38.1607, 89.6060
YIQ	149.4490, -87.6630, -2.6950

# Conversions

## Conversions Part 2

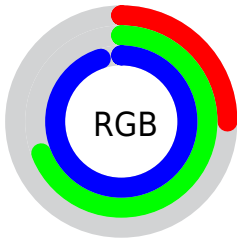
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	64, 132, 242
Decimal	4239346
CIE Lab	68.14, -9.58, -42.36
CIE LCh	68, 43.426, 257.254
Yxy	38.1607, 0.2076, 0.2367
Android (android.graphics.Color)	4282429426 (0xFF40AFF2)
YUV	149.4490, 45.6276, -74.9388
Hunter-Lab	61.7744, -11.3881, -42.7603

# Details

The Hex color **40AFF2** is a light color, and the websafe version is hex **3399CC**. The color can be described as light washed azure. A complement of this color would be **F28340**, and the grayscale version is **959595**.

A 20% lighter version of the original color is **85E6FF**, and **007BBA** is the 20% darker color. If you saturate the color by 10%, you get **28A6F2**, and if you desaturate by 10%, it is **58B8F2**.

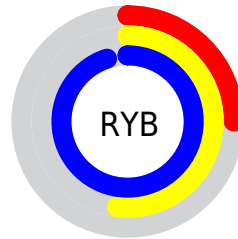
# Distribution



Red (25%)

Green (69%)

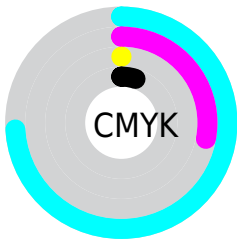
Blue (95%)



Red (25%)

Yellow (52%)

Blue (95%)

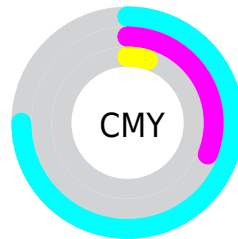


Cyan (74%)

Magenta (28%)

Yellow (0%)

Black (5%)



Cyan (75%)

Magenta (31%)

Yellow (5%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 40AFF2 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 40AFF2 by changing the saturation by 10% instead.



 40AFF2

 40AFF2

FFFFFF

 0094D5

 85E6FF

 007BBA

 A4FFFF

 00629E

 C3FFFF

 004A84

 E2FFFF

 00346A

 002052

 00063A

 000224

 00000B

■ 40AFF2

■ 40AFF2

■ 28A6F2

■ 58B8F2

■ 109DF2

■ 70C1F2

■ 0097F2

■ 89CAF2

■ A1D3F2

■ B9DDF2

■ D1E6F2

■ E9EFF2

■ FFF8F2

■ FFFFF2

# Harmonies

## Analogous

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



00B7DF



40AFF2



90A2F1

# Triad

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



40AFF2



F18791



7CB46F

# Complementary

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



40AFF2



F28340

# 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.



A8AB59



40AFF2



E7906E

# Square

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



40AFF2



E788B9



CD9E59



42B993

# Rectangle

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



40AFF2



B698E5



CD9E59



8BB266

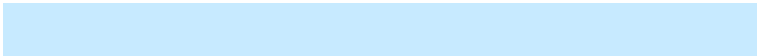


# Sweetspot

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



40AFF2



C7EAFF



40F281



5E7380



000000



808080



# Same Dimension

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



40AFF2



1FABFF



4058F2



6C7378



0072B8



002338



# Inverse Universe

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



F240AF



FF1FAB



F2DA40



786C73



B80072

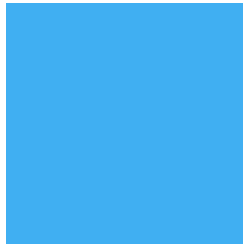


380023



# Previews

## White Background



This preview shows how the Hex color 40AFF2 looks on a white background.

## Color Contrast Check

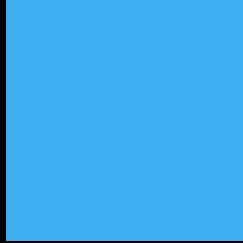
Large Text (above 18pt) WCAG AA × Fail

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 40AFF2 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

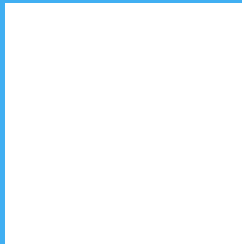
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 40AFF2 Background



This preview shows how black text looks on a background with the Hex color 40AFF2.

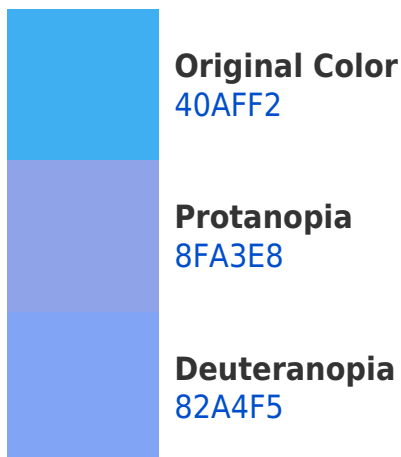


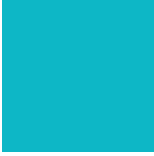
This preview shows how white text looks on a background with the Hex color 40AFF2.

# 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](#).

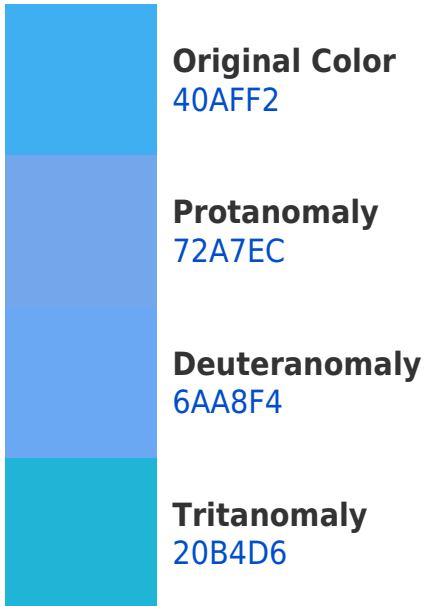
## Dichromacy



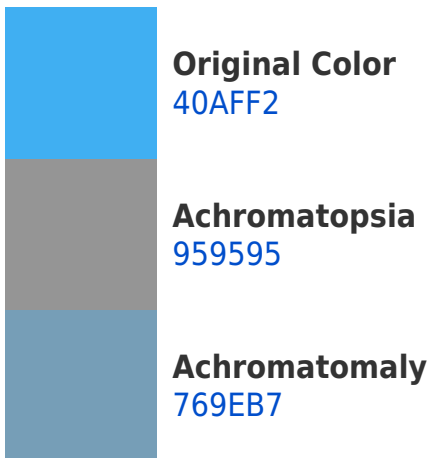


**Tritanopia**  
0DB7C6

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 40AFF2 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 #40AFF2 looks like.

```
.text, #text, p{  
    color:#40AFF2  
}
```

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 #40AFF2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #40AFF2
}
```

## Border

The CSS property to change the border of an element to Hex 40AFF2 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
#40AFF2 }
```

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

```
.border{ border-color:#40AFF2 }
```

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

Here you see how a box with a 4 pixel #40AFF2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #40AFF2; -webkit-box-shadow:4px 4px  
4px 4px #40AFF2; box-shadow:4px 4px 4px  
4px #40AFF2 }
```

# Background

The CSS property to change the background color of an element to Hex 40AFF2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#40AFF2 }
```

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

```
.background{ background-color:#40AFF2 }
```

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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