

# Converting Colors

Hex(40A9EC)

Have a look what the booklet for  
Hex(40A9EC) contains.

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# **Color**

**Hex(40A9EC)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	40A9EC
RGB	64, 169, 236
RGB Percent	25%, 66%, 93%
CMY	0.7490, 0.3373, 0.0745
CMYK	0.73, 0.28, 0.00, 0.07
HSL	203°, 82%, 59%
HSV	203°, 73%, 93%
XYZ	31.4426, 35.5221, 84.5561
YIQ	145.2430, -84.0870, -1.4230

# Conversions

## Conversions Part 2

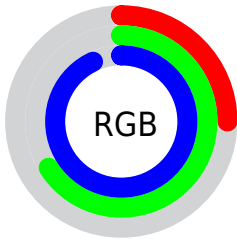
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	64, 129, 236
Decimal	4237804
CIE Lab	66.15, -8.30, -42.19
CIE LCh	66, 43.000, 258.865
Yxy	35.5221, 0.2075, 0.2344
Android (android.graphics.Color)	4282427884 (0xFF40A9EC)
YUV	145.2430, 44.7432, -71.2501
Hunter-Lab	59.6004, -10.1316, -42.3955

# Details

The Hex color **40A9EC** is a light color, and the websafe version is hex **3399CC**. The color can be described as light muted azure. A complement of this color would be **EC8340**, and the grayscale version is **919191**.

A 20% lighter version of the original color is **84E0FF**, and **0075B4** is the 20% darker color. If you saturate the color by 10%, you get **28A0EC**, and if you desaturate by 10%, it is **58B2EC**.

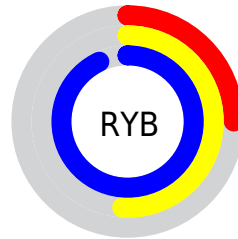
# Distribution



Red (25%)

Green (66%)

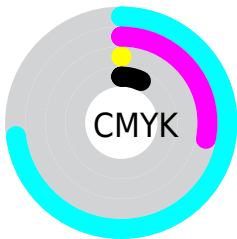
Blue (93%)



Red (25%)

Yellow (51%)

Blue (93%)

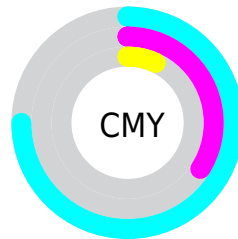


Cyan (73%)

Magenta (28%)

Yellow (0%)

Black (7%)



Cyan (75%)

Magenta (34%)

Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 40A9EC 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 40A9EC by changing the saturation by 10% instead.



 40A9EC

 40A9EC

FFFFFF

 008FD0

 84E0FF

 0075B4

 A3FDFF

 005D99

 C2FFFF

 00457F

 E0FFFF

 002F65

 001C4D

 000535

 00021F

 000003

■ 40A9EC

■ 40A9EC

■ 28A0EC

■ 58B2EC

■ 1197EC

■ 6FB8EC

■ 0090EC

■ 87C5EC

■ 9ECEEC

■ B6D7EC

■ CEE0EC

■ E5E9EC

■ FDF3EC

■ FFFCEC

# Harmonies

## Analogous

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



00B1DA



40A9EC



8E9CEA

# Triad

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



40A9EC



EB828A



74AF6C

# Complementary

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



40A9EC



EC8340

# 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.



A1A656



40A9EC



E08C68

# Square

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



40A9EC



E283B1



C59A54



39B491

# Rectangle

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



40A9EC



B392DD



C59A54



84AD63

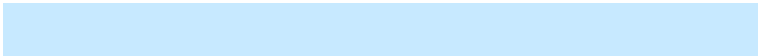


# Sweetspot

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



40A9EC



C7E9FF



40EC82



5E7380



000000



808080



# Same Dimension

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



40A9EC



21A9FF



4054EC



6A7175



006FB5



002136



# Inverse Universe

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



EC40A9



FF21A9



ECD840



756A71



B5006F

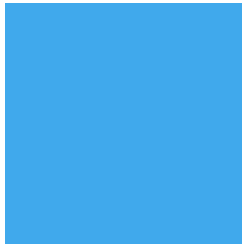


360021



# Previews

## White Background



This preview shows how the Hex color 40A9EC looks on a white background.

## Color Contrast Check

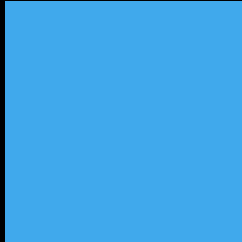
Large Text (above 18pt) WCAG AA × Fail

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 40A9EC 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

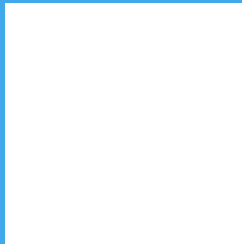
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 40A9EC Background



This preview shows how black text looks on a background with the Hex color 40A9EC.

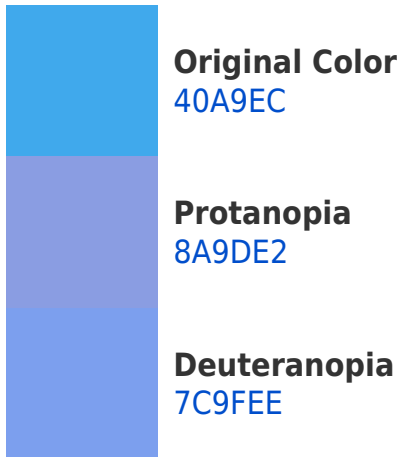


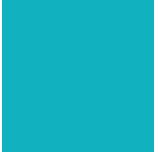
This preview shows how white text looks on a background with the Hex color 40A9EC.

# 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](#).

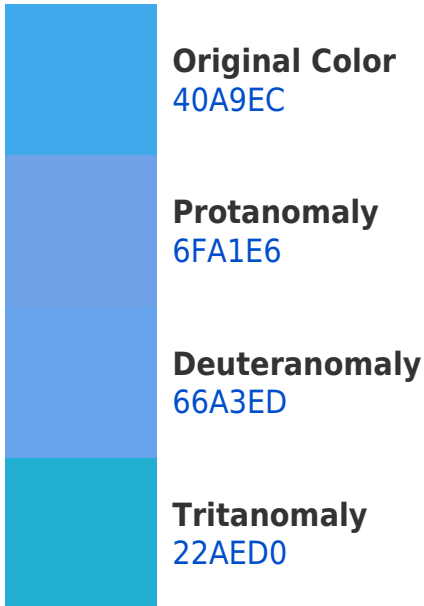
## Dichromacy



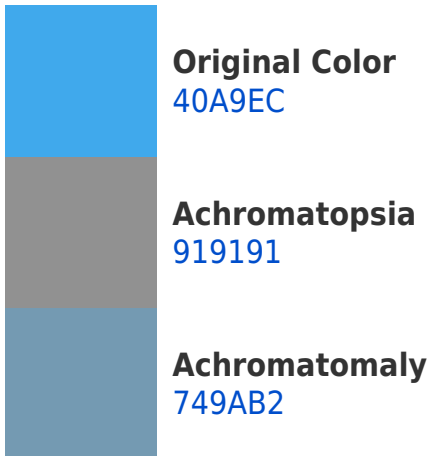


**Tritanopia**  
11B1C0

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 40A9EC 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 #40A9EC looks like.

```
.text, #text, p{  
    color:#40A9EC  
}
```

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 #40A9EC colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #40A9EC
}
```

## Border

The CSS property to change the border of an element to Hex 40A9EC 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
#40A9EC }
```

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

```
.border{ border-color:#40A9EC }
```

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

Here you see how a box with a 4 pixel #40A9EC colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #40A9EC; -webkit-box-shadow:4px 4px  
4px 4px #40A9EC; box-shadow:4px 4px 4px  
4px #40A9EC }
```

# Background

The CSS property to change the background color of an element to Hex 40A9EC is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#40A9EC }
```

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

```
.background{ background-color:#40A9EC }
```

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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