

# Converting Colors

Hex(66A9EC)

Have a look what the booklet for  
Hex(66A9EC) contains.

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# **Color**

**Hex(66A9EC)**

# Conversions

## Conversions Part 1

Format	Color
Hex	66A9EC
RGB	102, 169, 236
RGB Percent	40%, 66%, 93%
CMY	0.6000, 0.3373, 0.0745
CMYK	0.57, 0.28, 0.00, 0.07
HSL	210°, 78%, 66%
HSV	210°, 57%, 93%
XYZ	34.8078, 37.2568, 84.7136
YIQ	156.6050, -61.4390, 6.6330

# Conversions

## Conversions Part 2

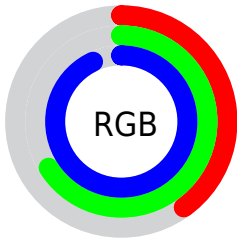
Format	Color
R <sub>Y</sub> B	102, 147, 236
Decimal	6728172
CIE Lab	67.47, -2.06, -40.04
CIE LCh	67, 40.088, 267.060
Yxy	37.2568, 0.2220, 0.2376
Android (android.graphics.Color)	4284918252 (0xFF66A9EC)
YUV	156.6050, 39.1417, -47.8886
Hunter-Lab	61.0384, -5.0257, -39.5602

# Details

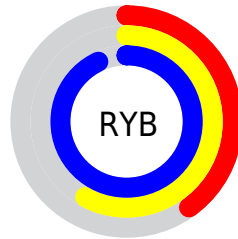
The Hex color **66A9EC** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **ECA966**, and the grayscale version is **9C9C9C**.

A 20% lighter version of the original color is **A1E0FF**, and **2175B4** is the 20% darker color. If you saturate the color by 10%, you get **4E9DEC**, and if you desaturate by 10%, it is **7EB5EC**.

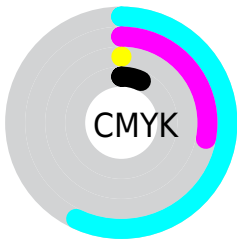
# Distribution



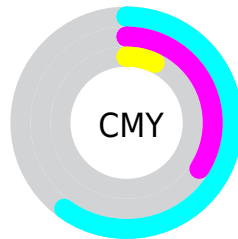
- Red (40%)
- Green (66%)
- Blue (93%)



- Red (40%)
- Yellow (58%)
- Blue (93%)



- Cyan (57%)
- Magenta (28%)
- Yellow (0%)
- Black (7%)



- Cyan (60%)
- Magenta (34%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 66A9EC 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 66A9EC by changing the saturation by 10% instead.



 66A9EC

 66A9EC

FFFFFF

 478FD0

 A1E0FF

 2175B4

 BFFDFF

 005D99

 DDFFFF

 00467F

 FBFFFF

 003065

 001C4D

 000536

 00021F

 000003

■ 66A9EC

■ 66A9EC

■ 4E9DEC

■ 7EB5EC

■ 3791EC

■ 95C1EC

■ 1F86EC

■ ADCCEC

■ 087AEC

■ C4D8EC

■ 0076EC

■ DCE4EC

■ F4F0EC

■ FFFCEC

■ FFFFEC

# Harmonies

## Analogous

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



00B2E0



66A9EC



A39CE5

# Triad

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



66A9EC



E98A85



6FB37C

# Complementary

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



66A9EC



ECA966

# 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.



9AAC62



66A9EC



DB9469

# Square

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



66A9EC



E688A9



BFA15B



38B79F

# Rectangle

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



66A9EC



C293D6



BFA15B



7EB172

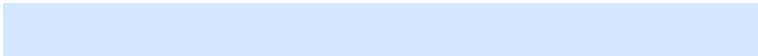


# Sweetspot

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



66A9EC



D4E9FF



66ECA9



667380



000000



808080



# Same Dimension

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



66A9EC



52A8FF



6666EC



6A6F75



005BB5



001B36



# Inverse Universe

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



EC66A9



FF52A8



ECEC66



756A6F



B5005B



36001B



# Previews

## White Background



This preview shows how the Hex color 66A9EC looks on a white background.

## Color Contrast Check

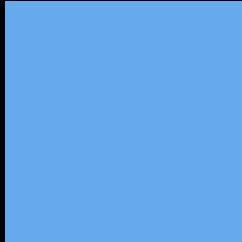
Large Text (above 18pt) WCAG AA × Fail

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 66A9EC looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

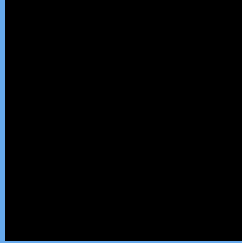
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

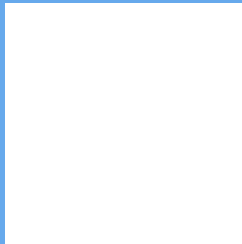
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 66A9EC Background



This preview shows how black text looks on a background with the Hex color 66A9EC.



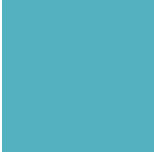
This preview shows how white text looks on a background with the Hex color 66A9EC.

# 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](#).

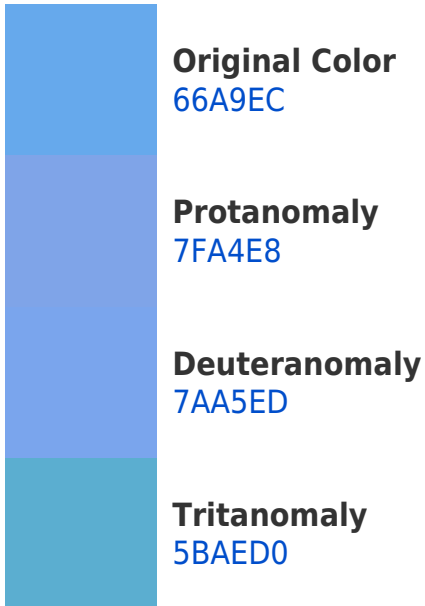
## Dichromacy



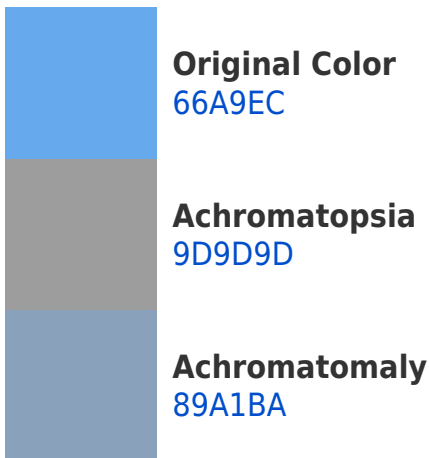


**Tritanopia**  
54B1C0

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 66A9EC 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 #66A9EC looks like.

```
.text, #text, p{  
    color:#66A9EC  
}
```

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 #66A9EC colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #66A9EC
}
```

## Border

The CSS property to change the border of an element to Hex 66A9EC 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
#66A9EC }
```

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

```
.border{ border-color:#66A9EC }
```

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

Here you see how a box with a 4 pixel #66A9EC colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #66A9EC; -webkit-box-shadow:4px 4px  
4px 4px #66A9EC; box-shadow:4px 4px 4px  
4px #66A9EC }
```

# Background

The CSS property to change the background color of an element to Hex 66A9EC is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#66A9EC }
```

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

```
.background{ background-color:#66A9EC }
```

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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