

# Converting Colors

Hex(009BEE)

Have a look what the booklet for  
Hex(009BEE) contains.

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# Color

**Hex(009BEE)**

# Conversions

## Conversions Part 1

Format	Color
Hex	009BEE
RGB	0, 155, 238
RGB Percent	0%, 61%, 93%
CMY	1.0000, 0.3922, 0.0667
CMYK	1.00, 0.35, 0.00, 0.07
HSL	201°, 100%, 47%
HSV	201°, 100%, 93%
XYZ	27.1540, 29.6157, 85.1742
YIQ	118.1170, -119.0230, -7.0470

# Conversions

## Conversions Part 2

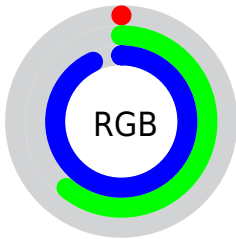
<b>Format</b>	<b>Color</b>
<b>RYB</b>	0, 94, 238
Decimal	39918
CIELab	61.32, -3.97, -50.97
CIELCh	61, 51.123, 265.542
Yxy	29.6157, 0.1913, 0.2086
Android (android.graphics.Color)	4278229998 (0xFF009BEE)
YUV	118.1170, 59.1023, -103.5886
Hunter-Lab	54.4203, -6.1700, -54.7015

# Details

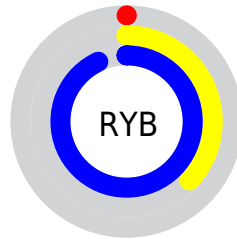
The Hex color **009BEE** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **EE5300**, and the grayscale version is **767676**.

A 20% lighter version of the original color is **6CD1FF**, and **0068B6** is the 20% darker color. If you saturate the color by 10%, you get **009BEE**, and if you desaturate by 10%, it is **18A3EE**.

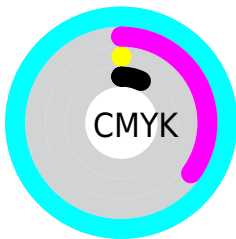
# Distribution



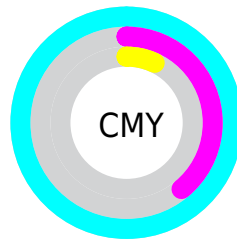
- Red (0%)
- Green (61%)
- Blue (93%)



- Red (0%)
- Yellow (37%)
- Blue (93%)



- Cyan (100%)
- Magenta (35%)
- Yellow (0%)
- Black (7%)



- Cyan (100%)
- Magenta (39%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 009BEE 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 009BEE by changing the saturation by 10% instead.



 009BEE

 009BEE

FFFFFF

 0081D1

 6CD1FF

 0068B6

 8DEDFE

 00519A

 ADFFFF

 003A80

 CDFFFF

 002666

 ECFFFF

 00104E

 000536

 000220

 000004

 009BEE

 18A3EE

 30ACEE

 47B4EE

 5FBCEE

 77C4EE

 8FCDEE

 A7D5EE

 BEDDEE

 D6E6EE

# Harmonies

## Analogous

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



00A5DE



009BEE



8B8BE6

# Triad

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



009BEE



E77070



4EA65F

# Complementary

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



009BEE



EE5300

# 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.



879D3E



009BEE



D57E4A

# Square

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



009BEE



E36D9D



B38F35



00AA8C

# Rectangle

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



009BEE



B57ED4



B38F35



63A352

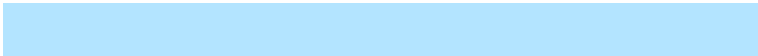


# Sweetspot

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



009BEE



B3E4FF



00EE4F



526F80



000000



808080

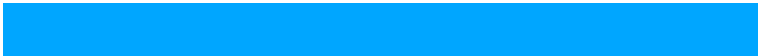


# Same Dimension

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



009BEE



00A6FF



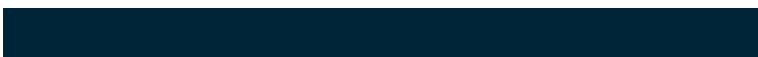
0028EE



6C7478



0078B8



002538



# Inverse Universe

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



EE009B



FF00A6



EEC600



786C74



B80078



380025



# Previews

## White Background



This preview shows how the Hex color 009BEE looks on a white background.

### Color Contrast Check

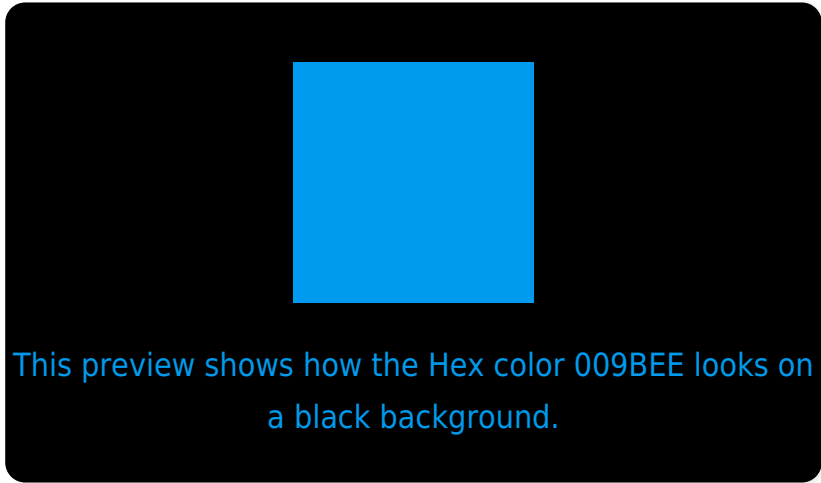
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

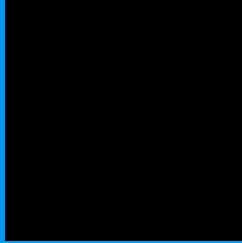
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

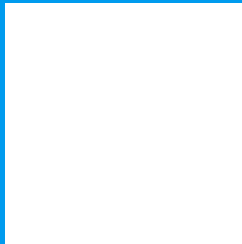
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 009BEE Background



This preview shows how black text looks on a background with the Hex color 009BEE.

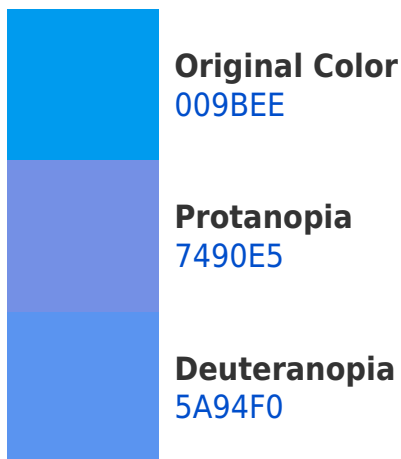


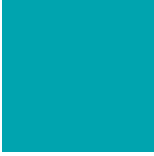
This preview shows how white text looks on a background with the Hex color 009BEE.

# 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**  
00A4AF

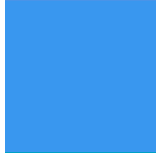
# Trichromacy



**Original Color**  
009BEE



**Protanomaly**  
4A94E8



**Deuteranomaly**  
3997EF



**Tritanomaly**  
00A1C6

# Monochromacy



**Original Color**  
009BEE



**Achromatopsia**  
767676



**Achromatomaly**  
4B83A2

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 009BEE 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 #009BEE looks like.

```
.text, #text, p{  
    color:#009BEE  
}
```

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 #009BEE colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #009BEE
}
```

## Border

The CSS property to change the border of an element to Hex 009BEE 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
#009BEE }
```

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

```
.border{ border-color:#009BEE }
```

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

Here you see how a box with a 4 pixel #009BEE colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #009BEE; -webkit-box-shadow:4px 4px  
4px 4px #009BEE; box-shadow:4px 4px 4px  
4px #009BEE }
```

# Background

The CSS property to change the background color of an element to Hex 009BEE is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#009BEE }
```

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

```
.background{ background-color:#009BEE }
```

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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