

# Converting Colors

Hex(3068ED)

Have a look what the booklet for  
Hex(3068ED) contains.

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# Color

Hex(3068ED)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	3068ED
RGB	48, 104, 237
RGB Percent	19%, 41%, 93%
CMY	0.8118, 0.5922, 0.0706
CMYK	0.80, 0.56, 0.00, 0.07
HSL	222°, 84%, 56%
HSV	222°, 80%, 93%
XYZ	21.4553, 16.6434, 82.2025
YIQ	102.4180, -76.0690, 29.4910

# Conversions

## Conversions Part 2

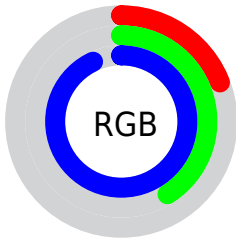
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	48, 91, 237
Decimal	3172589
CIE <sub>Lab</sub>	47.81, 29.41, -72.10
CIE <sub>LCh</sub>	48, 77.866, 292.190
Yxy	16.6434, 0.1783, 0.1383
Android (android.graphics.Color)	4281362669 (0xFF3068ED)
YUV	102.4180, 66.3489, -47.7246
Hunter-Lab	40.7964, 22.4817, -90.9087

# Details

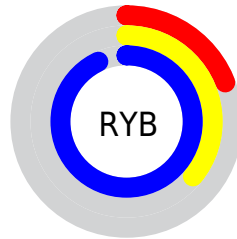
The Hex color **3068ED** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark washed azure. A complement of this color would be **EDB530**, and the grayscale version is **666666**.

A 20% lighter version of the original color is **7B9BFF**, and **003AB4** is the 20% darker color. If you saturate the color by 10%, you get **1857ED**, and if you desaturate by 10%, it is **4879ED**.

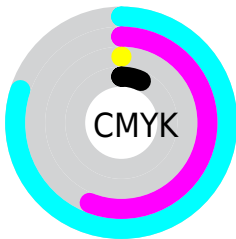
# Distribution



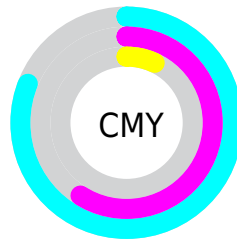
- Red (19%)
- Green (41%)
- Blue (93%)



- Red (19%)
- Yellow (36%)
- Blue (93%)



- Cyan (80%)
- Magenta (56%)
- Yellow (0%)
- Black (7%)



- Cyan (81%)
- Magenta (59%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3068ED 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 3068ED by changing the saturation by 10% instead.



 3068ED

 3068ED

FFFFFF

 0050D0

 7B9BFF

 003AB4

 9CB5FF

 002698

 BBD1FF

 00157E

 DAEDFF

 000164

 F9FFFF

 00094B

 000433

 00021D

 000000

■ 3068ED

■ 3068ED

■ 1857ED

■ 4879ED

■ 0147ED

■ 5F89ED

■ 0046ED

■ 779AED

■ 8FABED

■ A6BBED

■ BECCED

■ D6DDED

■ EEDEED

■ FFFEED

# Harmonies

## Analogous

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



007FF5



3068ED



AD41C3

# Triad

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



3068ED



C64800



008C5E

# Complementary

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



3068ED



EDB530

# 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.



00870F



3068ED



996900

# Square

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



3068ED



DF1445



5B7D00



008DA2

# Rectangle

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



3068ED



D01D9B



5B7D00



008A46



# Sweetspot

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



3068ED



C2D4FF



30EDB4



5B6580



000000



808080



# Same Dimension

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



3068ED



0A53FF



5630ED



6A6D75



0036B5



001036



# Inverse Universe

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



ED3068



FF0A53



C7ED30



756A6D



B50036



360010



# Previews

## White Background



This preview shows how the Hex color 3068ED looks on a white background.

## Color Contrast Check

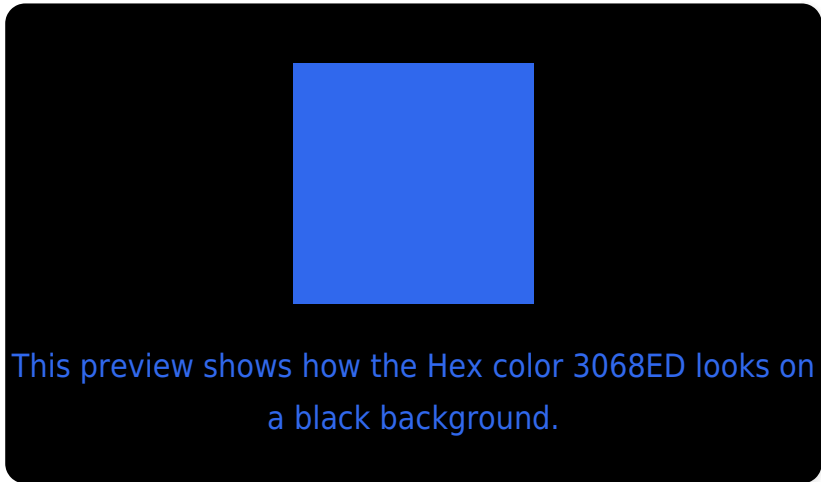
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

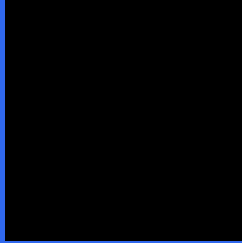
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 3068ED Background



This preview shows how black text looks on a background with the Hex color 3068ED.

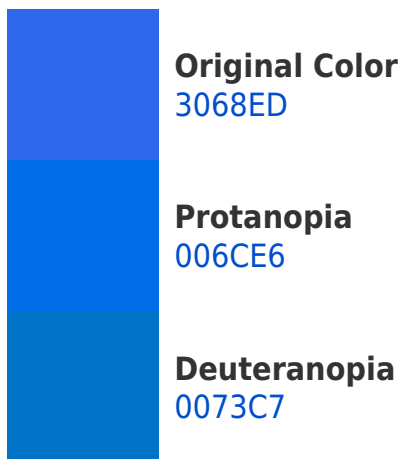


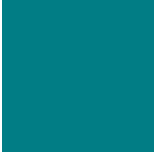
This preview shows how white text looks on a background with the Hex color 3068ED.

# 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](#).

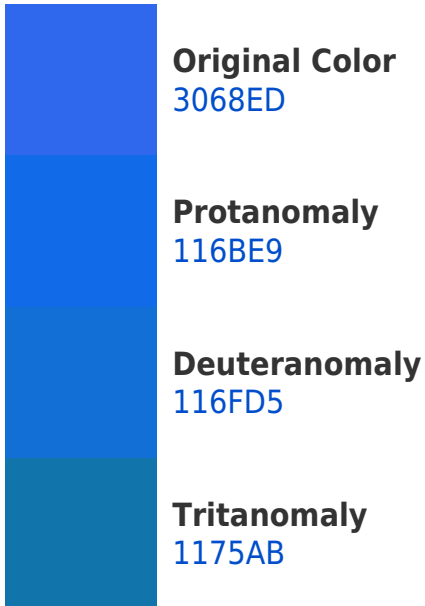
## Dichromacy



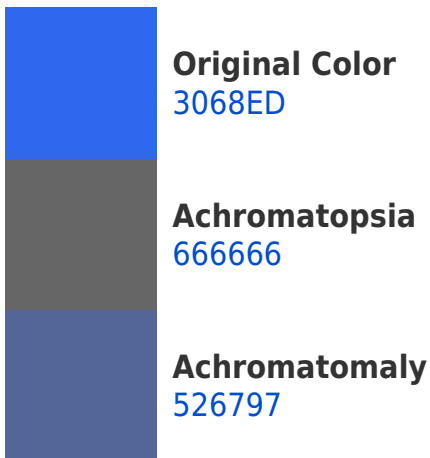


**Tritanopia**  
007D85

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3068ED 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 #3068ED looks like.

```
.text, #text, p{  
    color:#3068ED  
}
```

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 #3068ED colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3068ED
}
```

## Border

The CSS property to change the border of an element to Hex 3068ED 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
#3068ED }
```

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

```
.border{ border-color:#3068ED }
```

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

Here you see how a box with a 4 pixel #3068ED colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3068ED; -webkit-box-shadow:4px 4px  
4px 4px #3068ED; box-shadow:4px 4px 4px  
4px #3068ED }
```

# Background

The CSS property to change the background color of an element to Hex 3068ED is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3068ED }
```

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

```
.background{ background-color:#3068ED }
```

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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