

# Converting Colors

Hex(0163FF)

Have a look what the booklet for  
Hex(0163FF) contains.

<b>Hex(0163FF)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

**Color**

**Hex(0163FF)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0163FF
RGB	1, 99, 255
RGB Percent	0%, 39%, 100%
CMY	0.9961, 0.6118, 0.0000
CMYK	1.00, 0.61, 0.00, 0.00
HSL	217°, 100%, 50%
HSV	217°, 100%, 100%
XYZ	22.5244, 16.1501, 96.5379
YIQ	87.4820, -108.4840, 27.7400

# Conversions

## Conversions Part 2

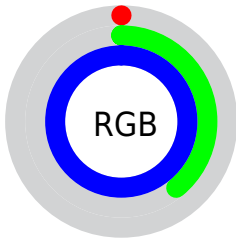
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	1, 72, 255
Decimal	91135
CIE Lab	47.17, 37.13, -83.22
CIE LCh	47, 91.127, 294.043
Yxy	16.1501, 0.1666, 0.1194
Android (android.graphics.Color)	4278281215 (0xFF0163FF)
YUV	87.4820, 82.5864, -75.8447
Hunter-Lab	40.1872, 29.7190, -114.2955

# Details

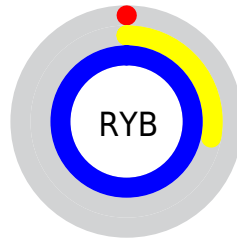
The Hex color **0163FF** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **FF9D01**, and the grayscale version is **575757**.

A 20% lighter version of the original color is **7295FF**, and **0036C5** is the 20% darker color. If you saturate the color by 10%, you get **0062FF**, and if you desaturate by 10%, it is **1A73FF**.

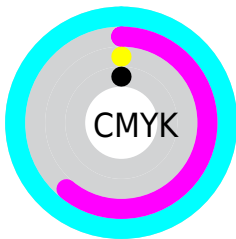
# Distribution



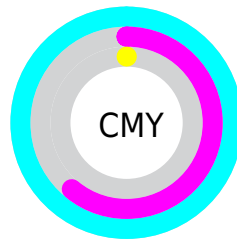
- Red (0%)
- Green (39%)
- Blue (100%)



- Red (0%)
- Yellow (28%)
- Blue (100%)



- Cyan (100%)
- Magenta (61%)
- Yellow (0%)
- Black (0%)




- Cyan (100%)
- Magenta (61%)
- Yellow (0%)


# Brightness & Saturation Gradients

These gradients show how the Hex color 0163FF 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 0163FF by changing the saturation by 10% instead.



 0163FF

 0163FF

FFFFFF

 004CE2

 7295FF

 0036C5

 95B0FF

 0023A9

 B6CBFF

 00138D

 D6E7FF

 000373

 F6FFFF

 000D59

 000741

 00032A

 000114

■ 0163FF

■ 0163FF

■ 0062FF

■ 1A73FF

■ 3482FF

■ 4E92FF

■ 67A2FF

■ 81B1FF

■ 9AC1FF

■ B3D1FF

■ CDE0FF

■ E7F0FF

# Harmonies

## Analogous

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



0080FF



0163FF



B829CC

# Triad

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



0163FF



CC3E00



008D5E

# Complementary

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



0163FF



FF9D01

# 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.



008800



0163FF



966800

# Square

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



0163FF



EB0038



4C7E00



008EAD

# Rectangle

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



0163FF



DF009C



4C7E00



008B42



# Sweetspot

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



0163FF



B3D0FF



01FF99



526380



000000



808080



# Same Dimension

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



0163FF



0062FF



1A01FF



737880



004ABF



001940



# Inverse Universe

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



FF0163



FF0062



E6FF01



807378



BF004A



400019



# Previews

## White Background



This preview shows how the Hex color 0163FF looks on a white background.

## Color Contrast Check

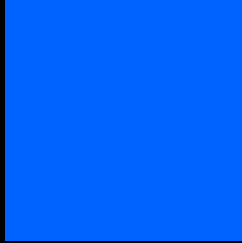
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 0163FF looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

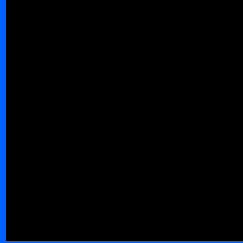
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

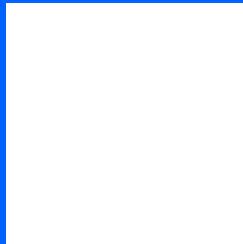
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 0163FF Background



This preview shows how black text looks on a background with the Hex color 0163FF.

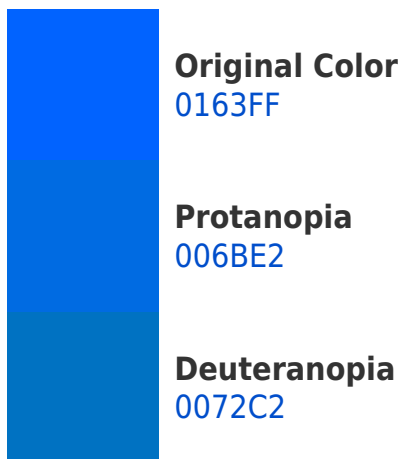


This preview shows how white text looks on a background with the Hex color 0163FF.

# 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](#).

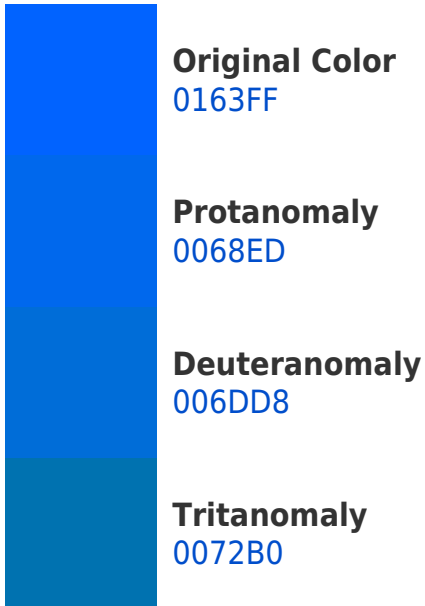
## Dichromacy





**Tritanopia**  
007B83

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0163FF 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 #0163FF looks like.

```
.text, #text, p{  
    color:#0163FF  
}
```

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 #0163FF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0163FF
}
```

## Border

The CSS property to change the border of an element to Hex 0163FF 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
#0163FF }
```

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

```
.border{ border-color:#0163FF }
```

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

Here you see how a box with a 4 pixel #0163FF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0163FF; -webkit-box-shadow:4px 4px  
4px 4px #0163FF; box-shadow:4px 4px 4px  
4px #0163FF }
```

# Background

The CSS property to change the background color of an element to Hex 0163FF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0163FF }
```

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

```
.background{ background-color:#0163FF }
```

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](#).



Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor