

# Converting Colors

Hex(1993FF)

Have a look what the booklet for  
Hex(1993FF) contains.

<b>Hex(1993FF)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# Color

Hex(1993FF)

# Conversions

## Conversions Part 1

Format	Color
Hex	1993FF
RGB	25, 147, 255
RGB Percent	10%, 58%, 100%
CMY	0.9020, 0.4235, 0.0000
CMYK	0.90, 0.42, 0.00, 0.00
HSL	208°, 100%, 55%
HSV	208°, 90%, 100%
XYZ	28.8846, 28.2941, 98.5467
YIQ	122.8340, -107.3800, 7.7240

# Conversions

## Conversions Part 2

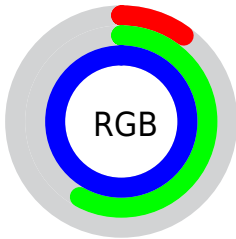
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	25, 105, 255
Decimal	1676287
CIE Lab	60.15, 7.91, -62.16
CIE LCh	60, 62.662, 277.254
Yxy	28.2941, 0.1855, 0.1817
Android (android.graphics.Color)	4279866367 (0xFF1993FF)
YUV	122.8340, 65.1578, -85.8004
Hunter-Lab	53.1922, 3.8433, -72.6092

# Details

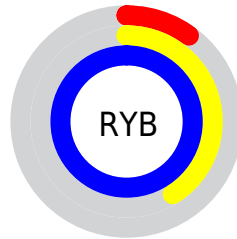
The Hex color **1993FF** is a dark color, and the websafe version is hex **3399FF**. The color can be described as middle washed azure. A complement of this color would be **FF8519**, and the grayscale version is **7A7A7A**.

A 20% lighter version of the original color is **75C8FF**, and **0061C5** is the 20% darker color. If you saturate the color by 10%, you get **0087FF**, and if you desaturate by 10%, it is **329FFF**.

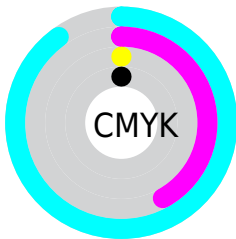
# Distribution



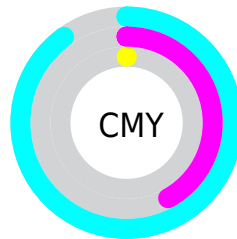
- Red (10%)
- Green (58%)
- Blue (100%)



- Red (10%)
- Yellow (41%)
- Blue (100%)



- Cyan (90%)
- Magenta (42%)
- Yellow (0%)
- Black (0%)



- Cyan (90%)
- Magenta (42%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1993FF 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 1993FF by changing the saturation by 10% instead.



 1993FF

 1993FF

FFFFFF

 007AE2

 75C8FF

 0061C5

 96E4FF

 004AAA

 B7FFFF

 00358F

 D6FFFF

 002174

 F6FFFF

 00085B

 000743

 00032B

 000116

■ 1993FF

■ 1993FF

■ 0087FF

■ 329FFF

■ 4CABFF

■ 65B7FF

■ 7FC3FF

■ 98CFFF

■ B2DBFF

■ CBE7FF

■ E5F3FF

FEFFFF

# Harmonies

## Analogous

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



00A2F7



1993FF



A47CE9

# Triad

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



1993FF



EC6851



00A864

# Complementary

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



1993FF



FF8519

# 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.



65A031



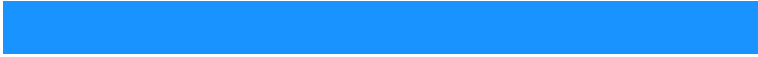
1993FF



CE7E24

# Square

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



1993FF



F45A86



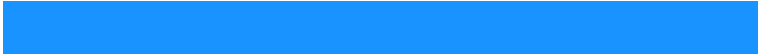
A0930C



00AB9D

# Rectangle

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



1993FF



CF6CCE



A0930C



24A652

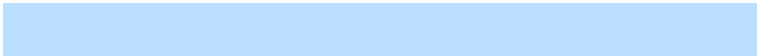


# Sweetspot

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



1993FF



BADFFF



19FF84



576C80



000000



808080



# Same Dimension

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



1993FF



0087FF



1921FF



737A80



0065BF



002240



# Inverse Universe

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



FF1993



FF0087



FFF719



80737A



BF0065



400022



# Previews

## White Background



This preview shows how the Hex color 1993FF looks on a white background.

## Color Contrast Check

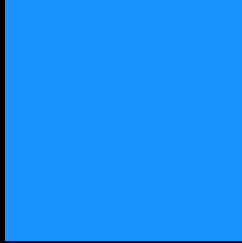
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 1993FF looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

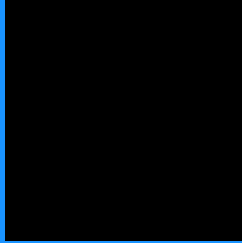
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

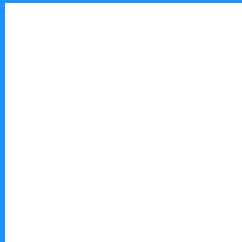
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 1993FF Background



This preview shows how black text looks on a background with the Hex color 1993FF.



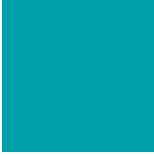
This preview shows how white text looks on a background with the Hex color 1993FF.

# 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](#).

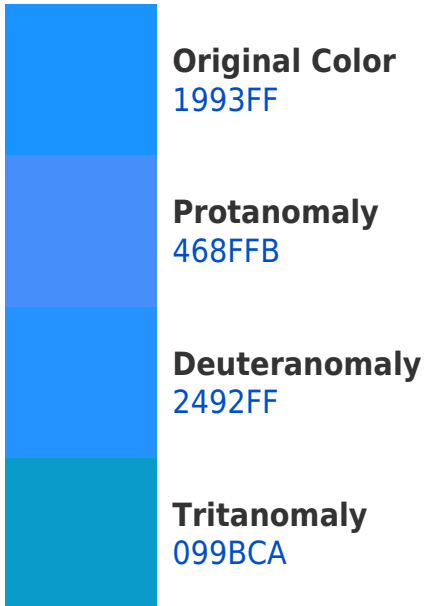
## Dichromacy





**Tritanopia**  
00A0AB

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1993FF 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 #1993FF looks like.

```
.text, #text, p{  
    color:#1993FF  
}
```

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 #1993FF colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1993FF
}
```

## Border

The CSS property to change the border of an element to Hex 1993FF 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
#1993FF }
```

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

```
.border{ border-color:#1993FF }
```

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

Here you see how a box with a 4 pixel #1993FF colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1993FF; -webkit-box-shadow:4px 4px  
4px 4px #1993FF; box-shadow:4px 4px 4px  
4px #1993FF }
```

# Background

The CSS property to change the background color of an element to Hex 1993FF is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1993FF }
```

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

```
.background{ background-color:#1993FF }
```

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