

# Converting Colors

Hex(3D83E9)

Have a look what the booklet for  
Hex(3D83E9) contains.

<b>Hex(3D83E9)</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(3D83E9)

# Conversions

## Conversions Part 1

Format	Color
Hex	3D83E9
RGB	61, 131, 233
RGB Percent	24%, 51%, 91%
CMY	0.7608, 0.4863, 0.0863
CMYK	0.74, 0.44, 0.00, 0.09
HSL	216°, 80%, 58%
HSV	216°, 74%, 91%
XYZ	24.7487, 23.1079, 80.2467
YIQ	121.6980, -74.4620, 16.8820

# Conversions

## Conversions Part 2

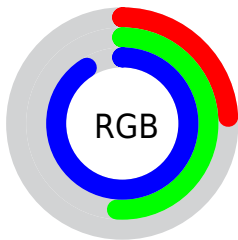
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	61, 111, 233
Decimal	4031465
CIE <sub>Lab</sub>	55.18, 12.46, -57.93
CIE <sub>LCh</sub>	55, 59.251, 282.137
Yxy	23.1079, 0.1932, 0.1804
Android (android.graphics.Color)	4282221545 (0xFF3D83E9)
YUV	121.6980, 54.8719, -53.2321
Hunter-Lab	48.0707, 7.7754, -65.3262

# Details

The Hex color **3D83E9** is a dark color, and the websafe version is hex **6699FF**. The color can be described as middle washed azure. A complement of this color would be **E9A33D**, and the grayscale version is **797979**.

A 20% lighter version of the original color is **81B7FF**, and **0053B1** is the 20% darker color. If you saturate the color by 10%, you get **2675E9**, and if you desaturate by 10%, it is **5491E9**.

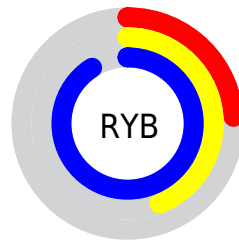
# Distribution



Red (24%)

Green (51%)

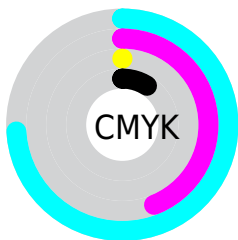
Blue (91%)



Red (24%)

Yellow (44%)

Blue (91%)

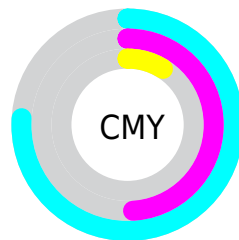


Cyan (74%)

Magenta (44%)

Yellow (0%)

Black (9%)



Cyan (76%)

Magenta (49%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 3D83E9 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 3D83E9 by changing the saturation by 10% instead.



■ 3D83E9

■ 3D83E9

FFFFFF

■ 006ACC

■ 81B7FF

■ 0053B1

■ A0D3FF

■ 003C95

■ BFEFFF

■ 00287B

■ DDFFFF

■ 001561

■ FCFFFF

■ 000949

■ 000431

■ 00011B

■ 000000

■ 3D83E9

■ 3D83E9

■ 2675E9

■ 5491E9

■ 0E67E9

■ 6C9FE9

■ 005FE9

■ 83ACE9

■ 9ABAE9

■ B2C8E9

■ C9D6E9

■ E0E4E9

■ F7F2E9

■ FFFFE9

# Harmonies

## Analogous

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



0092E6



3D83E9



A16DD1

# Triad

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



3D83E9



D66141



009A63

# Complementary

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



3D83E9



E9A33D

# 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.



509432



3D83E9



B77618

# Square

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



3D83E9



E15271



8A8809



009C98

# Rectangle

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



3D83E9



C55EB5



8A8809



009952



# Sweetspot

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



3D83E9



C7DEFF



3DE9A1



5E6C80



000000



808080



# Same Dimension

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



3D83E9



1C78FF



4B3DE9



6A6E75



004AB5



001636



# Inverse Universe

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



E93D83



FF1C78



DBE93D



756A6E



B5004A



360016



# Previews

## White Background



This preview shows how the Hex color 3D83E9 looks on a white background.

## Color Contrast Check

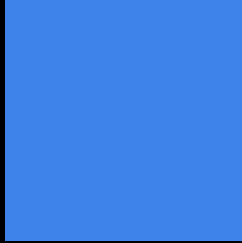
Large Text (above 18pt) WCAG AA ✓ Pass

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 3D83E9 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

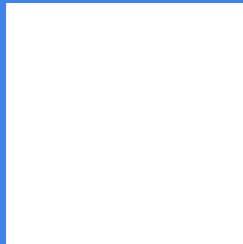
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 3D83E9 Background



This preview shows how black text looks on a background with the Hex color 3D83E9.



This preview shows how white text looks on a background with the Hex color 3D83E9.

# 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](#).

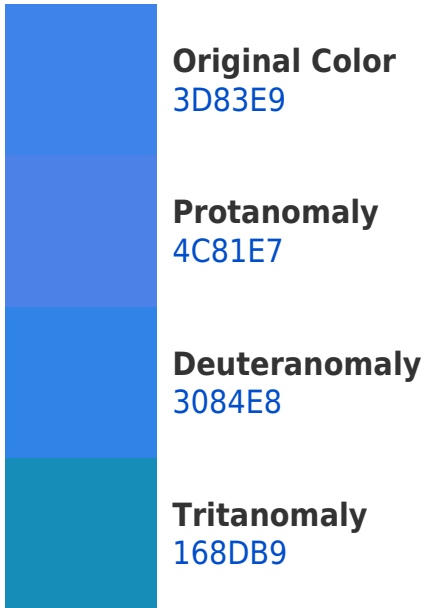
## Dichromacy



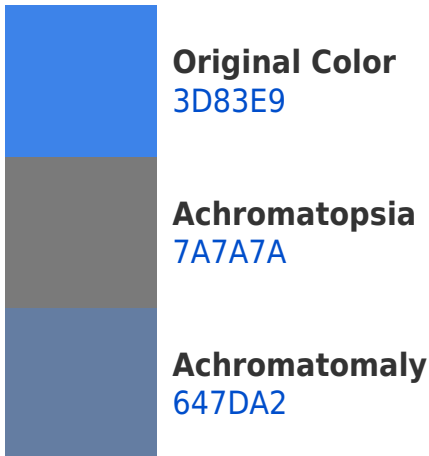


**Tritanopia**  
00929D

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 3D83E9 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 #3D83E9 looks like.

```
.text, #text, p{  
    color:#3D83E9  
}
```

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 #3D83E9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #3D83E9
}
```

## Border

The CSS property to change the border of an element to Hex 3D83E9 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
#3D83E9 }
```

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

```
.border{ border-color:#3D83E9 }
```

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

Here you see how a box with a 4 pixel #3D83E9 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #3D83E9; -webkit-box-shadow:4px 4px  
4px 4px #3D83E9; box-shadow:4px 4px 4px  
4px #3D83E9 }
```

# Background

The CSS property to change the background color of an element to Hex 3D83E9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#3D83E9 }
```

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

```
.background{ background-color:#3D83E9 }
```

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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