

# Converting Colors

Hex(6468E8)

Have a look what the booklet for  
Hex(6468E8) contains.

<b>Hex(6468E8)</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(6468E8)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6468E8
RGB	100, 104, 232
RGB Percent	39%, 41%, 91%
CMY	0.6078, 0.5922, 0.0902
CMYK	0.57, 0.55, 0.00, 0.09
HSL	238°, 74%, 65%
HSV	238°, 57%, 91%
XYZ	24.7713, 18.4361, 78.5969
YIQ	117.3960, -43.4720, 38.9600

# Conversions

## Conversions Part 2

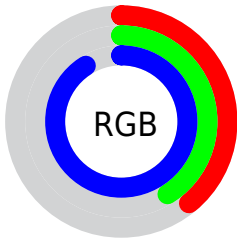
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	<a href="#">100, 104, 232</a>
Decimal	<a href="#">6580456</a>
<a href="#">CIELab</a>	<a href="#">50.02, 34.81, -65.58</a>
<a href="#">CIELCh</a>	<a href="#">50, 74.245, 297.957</a>
<a href="#">Yxy</a>	<a href="#">18.4361, 0.2034, 0.1514</a>
<a href="#">Android (android.graphics.Color)</a>	<a href="#">4284770536 (0xFF6468E8)</a>
<a href="#">YUV</a>	<a href="#">117.3960, 56.4998, -15.2563</a>
<a href="#">Hunter-Lab</a>	<a href="#">42.9373, 27.8396, -78.4743</a>

# Details

The Hex color **6468E8** is a dark color, and the websafe version is hex **6666FF**. A complement of this color would be **E8E464**, and the grayscale version is **757575**.

A 20% lighter version of the original color is **A09BFF**, and **1939AF** is the 20% darker color. If you saturate the color by 10%, you get **4D52E8**, and if you desaturate by 10%, it is **7B7EE8**.

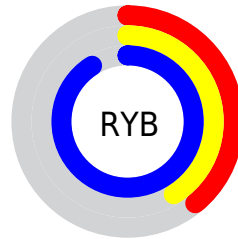
# Distribution



Red (39%)

Green (41%)

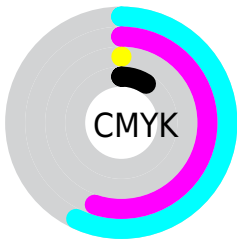
Blue (91%)



Red (39%)

Yellow (41%)

Blue (91%)

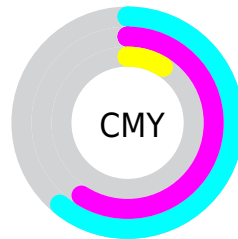


Cyan (57%)

Magenta (55%)

Yellow (0%)

Black (9%)



Cyan (61%)

Magenta (59%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 6468E8 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 6468E8 by changing the saturation by 10% instead.



■ 6468E8

■ 6468E8

FFFFFF

■ 4450CB

■ A09BFF

■ 1939AF

■ BEB6FF

■ 002494

■ DCD2FF

■ 001179

■ FBEEFF

■ 000060

■ 000847

■ 000430

■ 00011A

■ 000000

 6468E8

 6468E8

 4D52E8

 7B7EE8

 363BE8

 9295E8

 1E25E8

 AAABE8

 070EE8

 C1C2E8

 0007E8

 D8D8E8

 EFEFE8

 FFFF E8

# Harmonies

## Analogous

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



0081F7



6468E8



BD44BB

# Triad

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



6468E8



C35700



009171

# Complementary

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



6468E8



E8E464

# 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.



008D2D



6468E8



947300

# Square

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



6468E8



DF3240



568400



0092B1

# Rectangle

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



6468E8



D92993



568400



00915A



# Sweetspot

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



6468E8



D4D5FF



64E8E4



666780



000000



808080



# Same Dimension

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



6468E8



5257FF



A264E8



676873



0005B3



000233



# Inverse Universe

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



E86468



FF5257



AAE864



736768



B30005

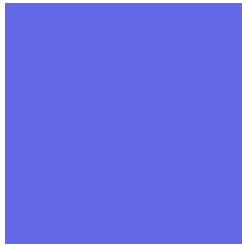


330002



# Previews

## White Background



This preview shows how the Hex color 6468E8 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

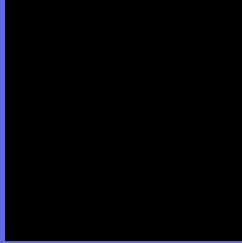
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 6468E8 Background



This preview shows how black text looks on a background with the Hex color 6468E8.

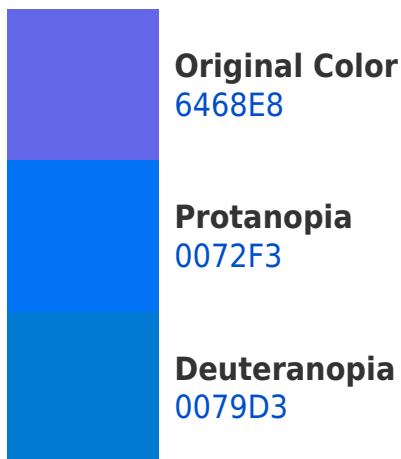


This preview shows how white text looks on a background with the Hex color 6468E8.

# 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](#).

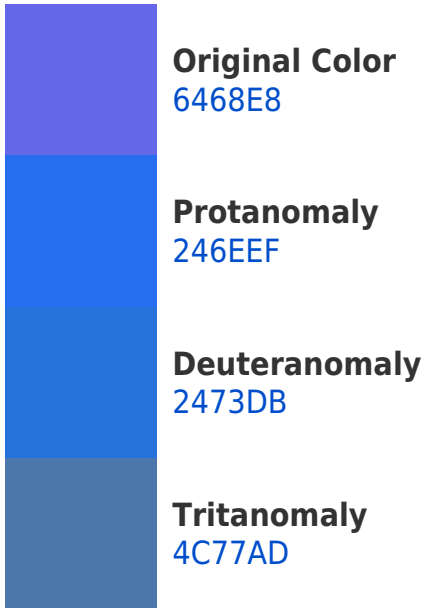
## Dichromacy





**Tritanopia**  
3F808B

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 6468E8 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 #6468E8 looks like.

```
.text, #text, p{  
    color:#6468E8  
}
```

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 #6468E8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #6468E8
}
```

## Border

The CSS property to change the border of an element to Hex 6468E8 is called "border". The border property can be set on classes, ids or directly on the HTML element.

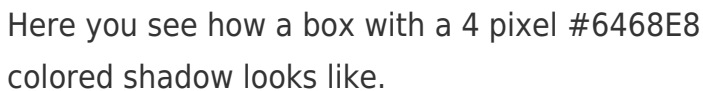
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#6468E8 }
```

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

```
.border{ border-color:#6468E8 }
```

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



Here you see how a box with a 4 pixel #6468E8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #6468E8; -webkit-box-shadow:4px 4px  
4px 4px #6468E8; box-shadow:4px 4px 4px  
4px #6468E8 }
```

# Background

The CSS property to change the background color of an element to Hex 6468E8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#6468E8 }
```

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

```
.background{ background-color:#6468E8 }
```

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