

Converting Colors

Hex(648EEB)

Have a look what the booklet for
Hex(648EEB) contains.

Hex(648EEB)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(648EEB)

Conversions

Conversions Part 1

Format	Color
Hex	648EEB
RGB	100, 142, 235
RGB Percent	39%, 56%, 92%
CMY	0.6078, 0.4431, 0.0784
CMYK	0.57, 0.40, 0.00, 0.08
HSL	221°, 77%, 66%
HSV	221°, 57%, 92%
XYZ	29.9239, 28.0535, 82.4350
YIQ	140.0440, -54.8850, 20.0190

Conversions

Conversions Part 2

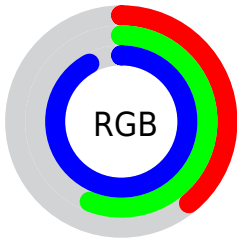
Format	Color
RYB	100, 132, 235
Decimal	6590187
CIELab	59.94, 12.83, -51.36
CIELCh	60, 52.936, 284.026
Yxy	28.0535, 0.2131, 0.1998
Android (android.graphics.Color)	4284780267 (0xFF648EEB)
YUV	140.0440, 46.8133, -35.1186
Hunter-Lab	52.9655, 8.1574, -55.2024

Details

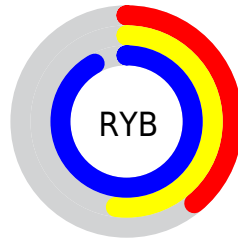
The Hex color **648EEB** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **EBC164**, and the grayscale version is **8C8C8C**.

A 20% lighter version of the original color is **9FC3FF**, and **1D5CB3** is the 20% darker color. If you saturate the color by 10%, you get **4D7EEB**, and if you desaturate by 10%, it is **7C9EEB**.

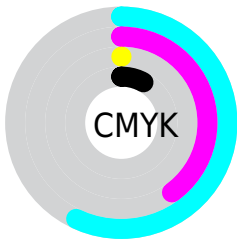
Distribution



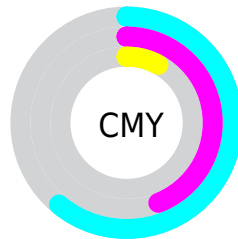
- Red (39%)
- Green (56%)
- Blue (92%)



- Red (39%)
- Yellow (52%)
- Blue (92%)



- Cyan (57%)
- Magenta (40%)
- Yellow (0%)
- Black (8%)



- Cyan (61%)
- Magenta (44%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Hex color 648EEB 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 648EEB by changing the saturation by 10% instead.

■ 648EEB

■ 648EEB

FFFFFF

■ 4475CE

■ 9FC3FF

■ 1D5CB3

■ BDDFFF

■ 004597

■ DBFCFF

■ 00307D

■ F9FFFF

■ 001C64

■ 00004B

■ 000433

■ 00021D

■ 000000

■ 648EEB

■ 648EEB

■ 4D7EEB

■ 7C9EEB

■ 356EEB

■ 93AEEB

■ 1E5DEB

■ ABBFEB

■ 064DEB

■ C2CFEB

■ 0049EB

■ DADFEB

■ F1EFEB

■ FFFFEB

Harmonies

Analogous

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



009DEA



648EEB



AF7BD4

Triad

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



648EEB



DC7352



00A675

Complementary

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



648EEB



EBC164

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.



61A04A



648EEB



BF8533

Square

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



648EEB



E6677C



95952F



00A7A6

Rectangle

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



648EEB



CE6FBA



95952F



2AA466

Sweetspot

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



648EEB



D4E1FF



64EBC0



666E80



000000



808080

Same Dimension

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



648EEB



4F86FF



7D64EB



6A6D75



0038B5



001136

Inverse Universe

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



EB648E



FF4F86



D2EB64



756A6D



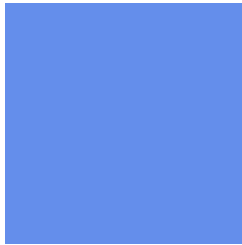
B50038



360011

Previews

White Background



This preview shows how the Hex color 648EEB looks on a white background.

Color Contrast Check

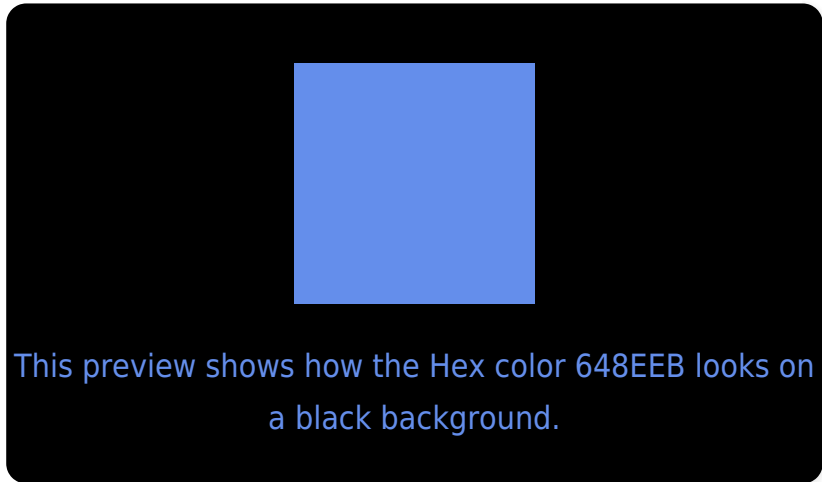
Large Text (above 18pt) WCAG AA ✓ Pass

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

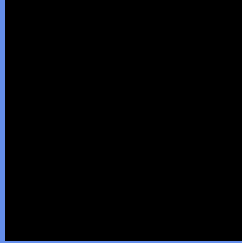
Any Text WCAG AA ✓ Pass

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 648EEB Background



This preview shows how black text looks on a background with the Hex color 648EEB.

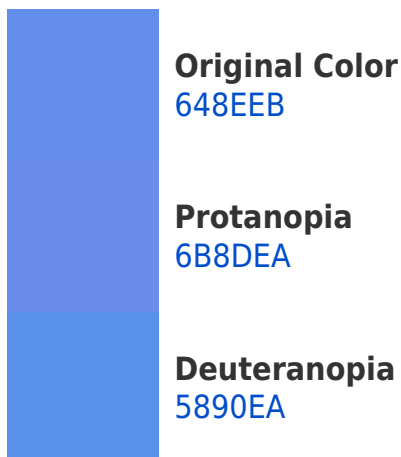


This preview shows how white text looks on a background with the Hex color 648EEB.

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](#).

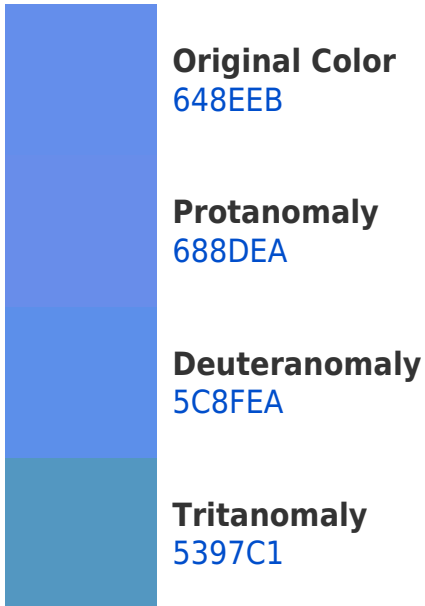
Dichromacy



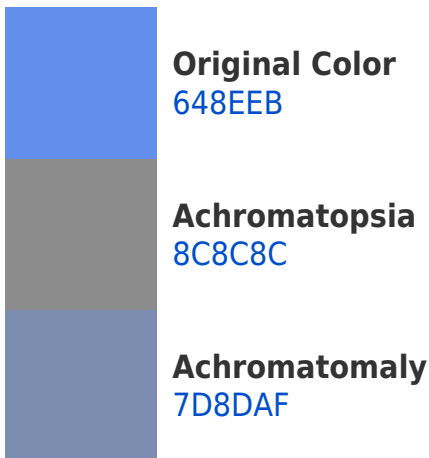


Tritanopia
499CA9

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 648EEB 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 #648EEB looks like.

```
.text, #text, p{  
    color:#648EEB  
}
```

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 #648EEB colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #648EEB
}
```

Border

The CSS property to change the border of an element to Hex 648EEB is called "border". The border property can be set on classes, ids or directly on the HTML element.

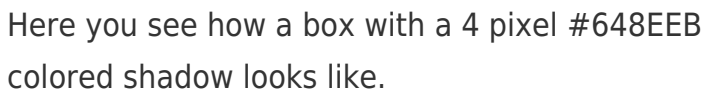
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#648EEB }
```

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

```
.border{ border-color:#648EEB }
```

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



Here you see how a box with a 4 pixel #648EEB colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #648EEB; -webkit-box-shadow:4px 4px  
4px 4px #648EEB; box-shadow:4px 4px 4px  
4px #648EEB }
```

Background

The CSS property to change the background color of an element to Hex 648EEB is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#648EEB }
```

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

```
.background{ background-color:#648EEB }
```

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