

Converting Colors

Hex(648AB8)

Have a look what the booklet for
Hex(648AB8) contains.

Hex(648AB8)	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(648AB8)

Conversions

Conversions Part 1

Format	Color
Hex	648AB8
RGB	100, 138, 184
RGB Percent	39%, 54%, 72%
CMY	0.6078, 0.4588, 0.2784
CMYK	0.46, 0.25, 0.00, 0.28
HSL	213°, 37%, 56%
HSV	213°, 46%, 72%
XYZ	22.9957, 24.3470, 48.8348
YIQ	131.8820, -37.4140, 6.2500

Conversions

Conversions Part 2

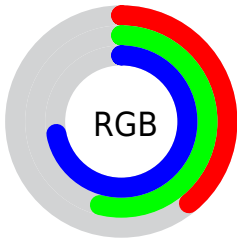
Format	Color
R _Y B	100, 126, 184
Decimal	6589112
CIE Lab	56.43, -0.65, -28.21
CIE LCh	56, 28.214, 268.670
Yxy	24.3470, 0.2391, 0.2531
Android (android.graphics.Color)	4284779192 (0xFF648AB8)
YUV	131.8820, 25.6942, -27.9605
Hunter-Lab	49.3427, -3.1612, -24.1399

Details

The Hex color **648AB8** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **B89264**, and the grayscale version is **848484**.

A 20% lighter version of the original color is **9ABFF0**, and **2E5883** is the 20% darker color. If you saturate the color by 10%, you get **5280B8**, and if you desaturate by 10%, it is **7694B8**.

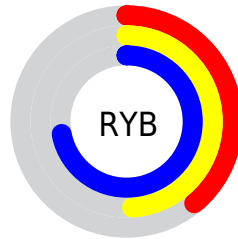
Distribution



Red (39%)

Green (54%)

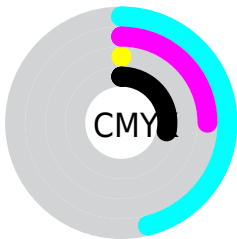
Blue (72%)



Red (39%)

Yellow (49%)

Blue (72%)

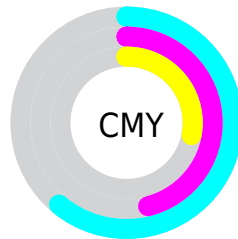


Cyan (46%)

Magenta (25%)

Yellow (0%)

Black (28%)



Cyan (61%)

Magenta (46%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Hex color 648AB8 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 648AB8 by changing the saturation by 10% instead.

■ 648AB8

■ 648AB8

FFFFFF

■ 49719D

■ 9ABFF0

■ 2E5883

■ B6DBFF

■ 0B4169

■ D3F8FF

■ 002B51

■ F0FFFF

■ 00173A

■ 000224

■ 00000C

■ 000000

■ 648AB8

■ 648AB8

■ 5280B8

■ 7694B8

■ 3F76B8

■ 899EB8

■ 2D6CB8

■ 9BA8B8

■ 1A62B8

■ AEB2B8

■ 0858B8

■ C0BCB8

■ 0053B8

■ D2C6B8

■ E5D1B8

■ F7DBB8

■ FFE5B8

Harmonies

Analogous

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



3F91B1



648AB8



8981B2

Triad

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



648AB8



B77671



63926D

Complementary

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



648AB8



B89264

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.



808D5C



648AB8



AD7D5E

Square

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



648AB8



B57589



998556



459585

Rectangle

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



648AB8



9D7CA8



998556



6D9166

Sweetspot

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



648AB8



CEDDF0



64B891



636D78



F7F7F7



787878

Same Dimension

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



648AB8



6CA8F0



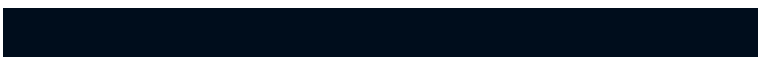
6764B8



53575C



00469C



000D1C

Inverse Universe

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



B8648A



F06CA8



B5B864



5C5357



9C0046



1C000D

Previews

White Background



This preview shows how the Hex color 648AB8 looks on a white background.

Color Contrast Check

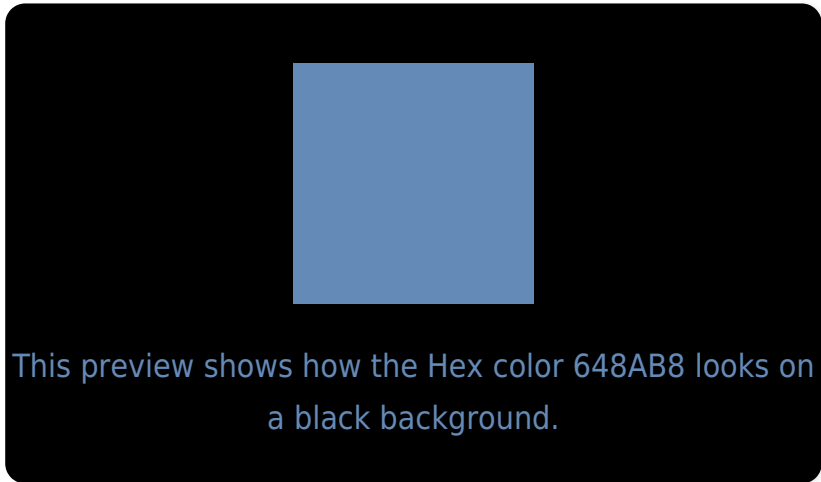
Large Text (above 18pt) WCAG AA ✓ Pass

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

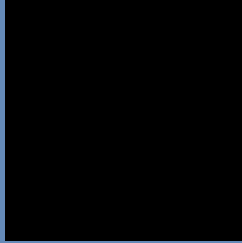
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

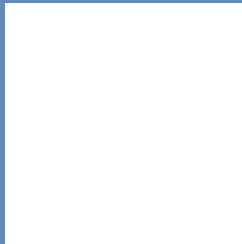
Any Text WCAG AAA × Fail

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

Hex 648AB8 Background



This preview shows how black text looks on a background with the Hex color 648AB8.



This preview shows how white text looks on a background with the Hex color 648AB8.

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](#).

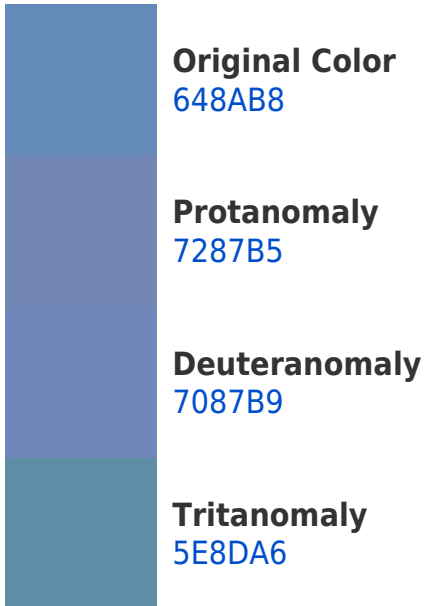
Dichromacy





Tritanopia
5B8F9B

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Hex 648AB8 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 #648AB8 looks like.

```
.text, #text, p{  
    color:#648AB8  
}
```

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 #648AB8 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #648AB8  
}
```

Border

The CSS property to change the border of an element to Hex 648AB8 is called "border". The border property can be set on classes, ids or directly on the HTML element.

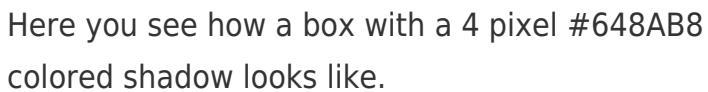
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid  
#648AB8 }
```

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

```
.border{ border-color:#648AB8 }
```

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



Here you see how a box with a 4 pixel #648AB8 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #648AB8; -webkit-box-shadow:4px 4px  
4px 4px #648AB8; box-shadow:4px 4px 4px  
4px #648AB8 }
```

Background

The CSS property to change the background color of an element to Hex 648AB8 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#648AB8 }
```

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

```
.background{ background-color:#648AB8 }
```

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