

# Converting Colors

Hex(648B94)

Have a look what the booklet for  
Hex(648B94) contains.

<b>Hex(648B94)</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(648B94)

# Conversions

## Conversions Part 1

Format	Color
Hex	648B94
RGB	100, 139, 148
RGB Percent	39%, 55%, 58%
CMY	0.6078, 0.4549, 0.4196
CMYK	0.32, 0.06, 0.00, 0.42
HSL	191°, 19%, 49%
HSV	191°, 32%, 58%
XYZ	19.8334, 23.3127, 31.4714
YIQ	128.3650, -26.1330, -5.4690

# Conversions

## Conversions Part 2

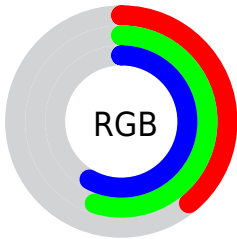
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	100, 122, 148
Decimal	6589332
CIE <sub>Lab</sub>	55.39, -11.16, -9.14
CIE <sub>LCh</sub>	55, 14.429, 219.328
Y <sub>xy</sub>	23.3127, 0.2658, 0.3124
Android (android.graphics.Color)	4284779412 (0xFF648B94)
YUV	128.3650, 9.6801, -24.8761
Hunter-Lab	48.2832, -11.1726, -4.8475

# Details

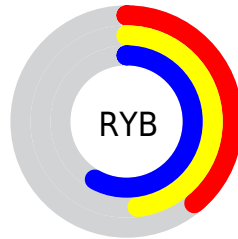
The Hex color **648B94** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **946D64**, and the grayscale version is **808080**.

A 20% lighter version of the original color is **98C1CA**, and **325961** is the 20% darker color. If you saturate the color by 10%, you get **558894**, and if you desaturate by 10%, it is **738E94**.

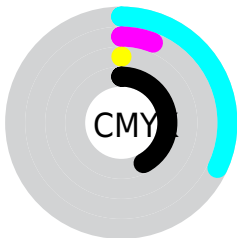
# Distribution



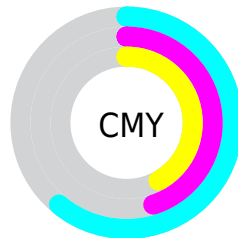
- Red (39%)
- Green (55%)
- Blue (58%)



- Red (39%)
- Yellow (48%)
- Blue (58%)



- Cyan (32%)
- Magenta (6%)
- Yellow (0%)
- Black (42%)



- Cyan (61%)
- Magenta (45%)
- Yellow (42%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 648B94 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 648B94 by changing the saturation by 10% instead.



■ 648B94

■ 648B94

FFFFFF

■ 4B727A

■ 98C1CA

■ 325961

■ B4DCE6

■ 1A424A

■ D0F9FF

■ 002B33

■ ECF9FF

■ 00181E

■ 000003

■ 000000

■ 648B94

■ 648B94

■ 558894

■ 738E94

468594

829194

388394

909394

298094

9F9694

1A7D94

AE9994

0B7A94

BD9C94

007894

CC9E94

DAA194

E9A494

# Harmonies

## Analogous

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



658C88



648B94



6D889C

# Triad

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



648B94



987D8E



8A856C

# Complementary

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



648B94



946D64

# 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.



96816E



648B94



9F7C81

# Square

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



648B94



8C8098



9E7D75



7C8971

# Rectangle

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



648B94



76869D



9E7D75



8F846C



# Sweetspot

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



648B94



ACBCBF



64946D



555F61



E0E0E0



616161



# Same Dimension

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



648B94



75B1BF



647394



43494A



00708A



00080A



# Inverse Universe

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



94648B



BF75B1



948564



4A4349



8A0070



0A0008



# Previews

## White Background



This preview shows how the Hex color 648B94 looks on a white background.

## Color Contrast Check

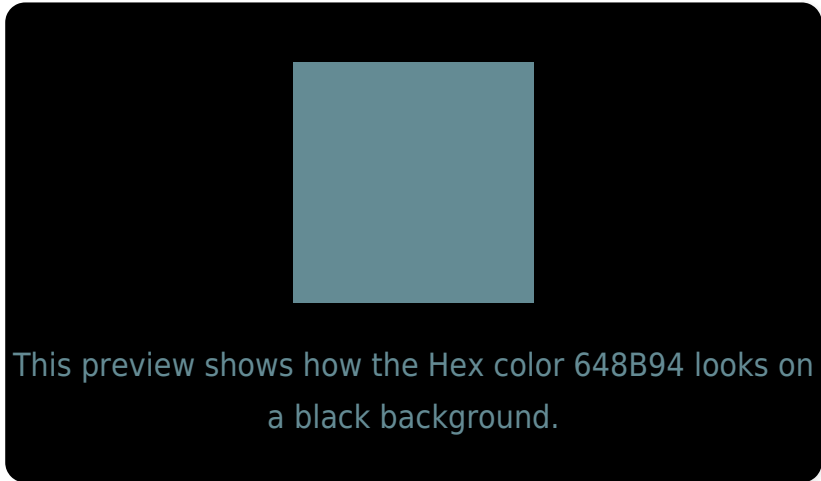
Large Text (above 18pt) WCAG AA ✓ Pass

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

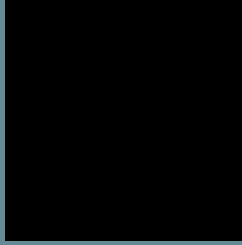
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 648B94 Background



This preview shows how black text looks on a background with the Hex color 648B94.

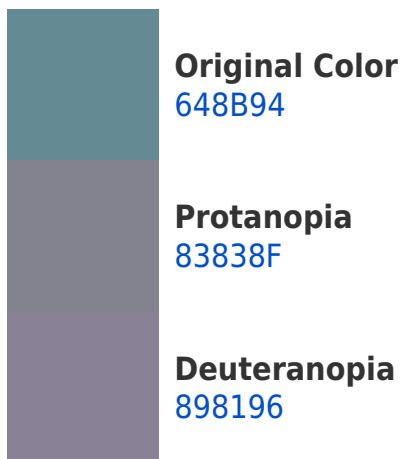


This preview shows how white text looks on a background with the Hex color 648B94.

# 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



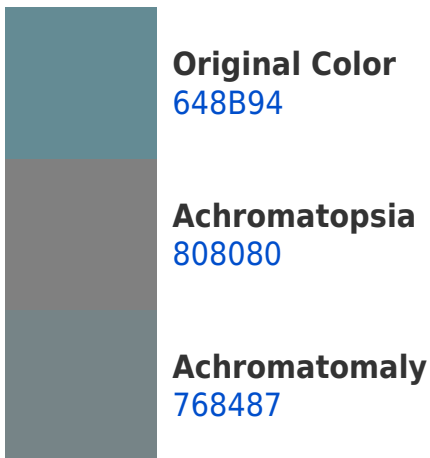


**Tritanopia**  
648B96

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 648B94 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 #648B94 looks like.

```
.text, #text, p{  
    color:#648B94  
}
```

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 #648B94 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #648B94
}
```

## Border

The CSS property to change the border of an element to Hex 648B94 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
#648B94 }
```

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

```
.border{ border-color:#648B94 }
```

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

Here you see how a box with a 4 pixel #648B94 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #648B94; -webkit-box-shadow:4px 4px  
4px 4px #648B94; box-shadow:4px 4px 4px  
4px #648B94 }
```

# Background

The CSS property to change the background color of an element to Hex 648B94 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#648B94 }
```

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

```
.background{ background-color:#648B94 }
```

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