

# Converting Colors

Hex(41678A)

Have a look what the booklet for  
Hex(41678A) contains.

<b>Hex(41678A)</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(41678A)**

# Conversions

## Conversions Part 1

Format	Color
Hex	41678A
RGB	65, 103, 138
RGB Percent	25%, 40%, 54%
CMY	0.7451, 0.5961, 0.4588
CMYK	0.53, 0.25, 0.00, 0.46
HSL	209°, 36%, 40%
HSV	209°, 53%, 54%
XYZ	11.6177, 12.6593, 25.8759
YIQ	95.6280, -33.8830, 2.8290

# Conversions

## Conversions Part 2

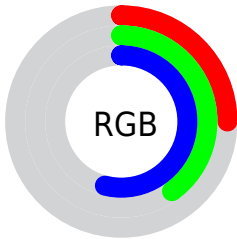
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	65, 90, 138
Decimal	4286346
CIE Lab	42.25, -2.92, -23.46
CIE LCh	42, 23.640, 262.911
Yxy	12.6593, 0.2316, 0.2524
Android (android.graphics.Color)	4282476426 (0xFF41678A)
YUV	95.6280, 20.8894, -26.8608
Hunter-Lab	35.5799, -3.9804, -18.2135

# Details

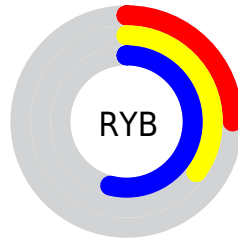
The Hex color **41678A** is a dark color, and the websafe version is hex **336699**. A complement of this color would be **8A6441**, and the grayscale version is **5F5F5F**.

A 20% lighter version of the original color is **769AC0**, and **033858** is the 20% darker color. If you saturate the color by 10%, you get **33608A**, and if you desaturate by 10%, it is **4F6E8A**.

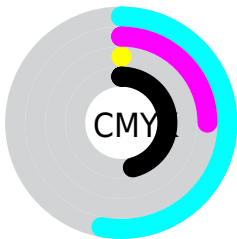
# Distribution



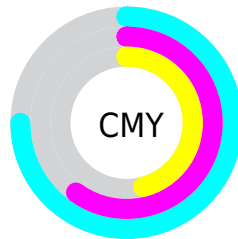
- Red (25%)
- Green (40%)
- Blue (54%)



- Red (25%)
- Yellow (35%)
- Blue (54%)



- Cyan (53%)
- Magenta (25%)
- Yellow (0%)
- Black (46%)



- Cyan (75%)
- Magenta (60%)
- Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 41678A 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 41678A by changing the saturation by 10% instead.



■ 41678A

■ 41678A

FFFFFF

■ 264F70

■ 769AC0

■ 033858

■ 90B5DB

■ 002340

■ ACD0F8

■ 000D2A

■ C8ECFF

■ 000115

■ E5FFFF

■ 000000

■ 41678A

■ 41678A

■ 33608A

■ 4F6E8A

■ 255A8A

■ 5D748A

■ 18538A

■ 6A7B8A

■ 0A4D8A

■ 78818A

■ 00488A

■ 86888A

■ 948F8A

■ A2958A

■ AF9C8A

■ BDA38A

# Harmonies

## Analogous

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



246C82



41678A



606087

# Triad

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



41678A



8A5656



4B6C4C

# Complementary

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



41678A



8A6441

# 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.



62673F



41678A



835A45

# Square

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



41678A



865569



75613D



336E5E

# Rectangle

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



41678A



715C80



75613D



536A47



# Sweetspot

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



41678A



96A5B3



418A63



485159



D9D9D9



595959



# Same Dimension

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



41678A



427DB3



41438A



3E4245



004585



000305



# Inverse Universe

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



8A4167



B3427D



8A8841



453E42



850045

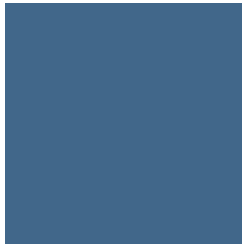


050003



# Previews

## White Background



This preview shows how the Hex color 41678A looks on a white background.

## Color Contrast Check

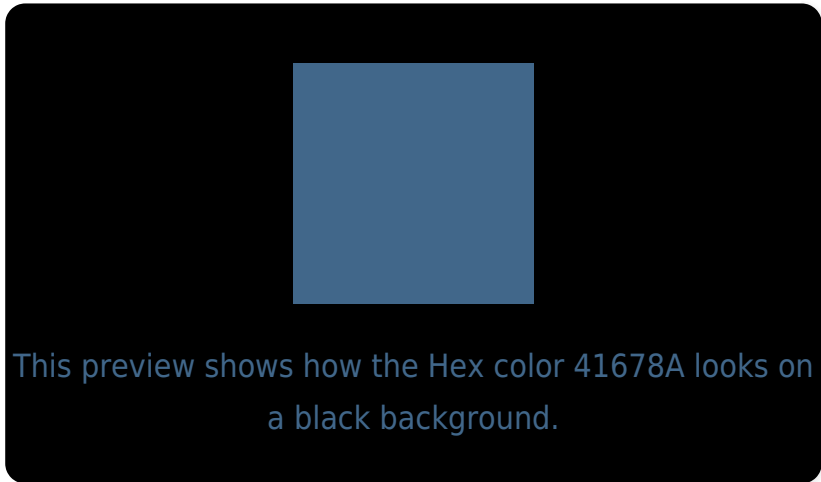
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

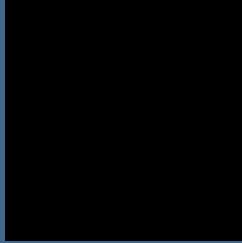
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

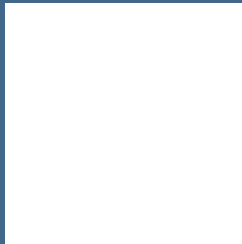
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 41678A Background



This preview shows how black text looks on a background with the Hex color 41678A.

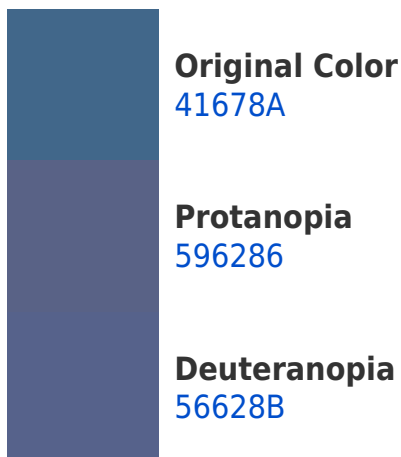


This preview shows how white text looks on a background with the Hex color 41678A.

# 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](#).

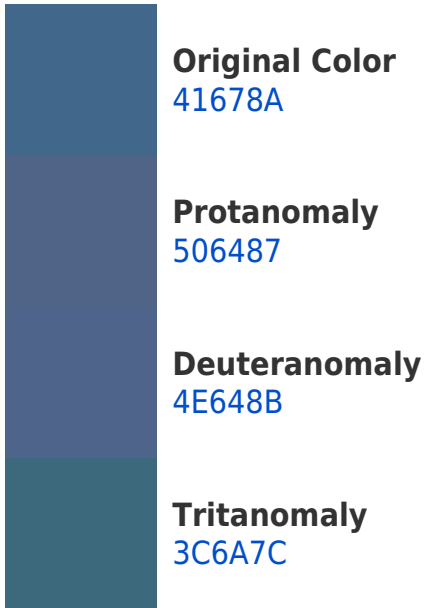
## Dichromacy



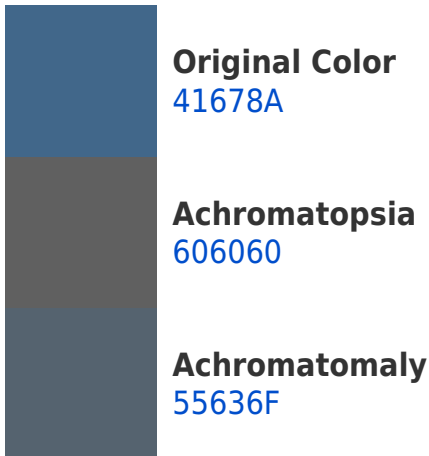


**Tritanopia**  
396B74

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 41678A 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 #41678A looks like.

```
.text, #text, p{  
    color:#41678A  
}
```

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 #41678A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #41678A
}
```

## Border

The CSS property to change the border of an element to Hex 41678A 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
#41678A }
```

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

```
.border{ border-color:#41678A }
```

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

Here you see how a box with a 4 pixel #41678A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #41678A; -webkit-box-shadow:4px 4px  
4px 4px #41678A; box-shadow:4px 4px 4px  
4px #41678A }
```

# Background

The CSS property to change the background color of an element to Hex 41678A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#41678A }
```

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

```
.background{ background-color:#41678A }
```

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