

# Converting Colors

Hex(458A83)

Have a look what the booklet for  
Hex(458A83) contains.

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**Color**

**Hex(458A83)**

# Conversions

## Conversions Part 1

Format	Color
Hex	458A83
RGB	69, 138, 131
RGB Percent	27%, 54%, 51%
CMY	0.7294, 0.4588, 0.4863
CMYK	0.50, 0.00, 0.05, 0.46
HSL	174°, 33%, 41%
HSV	174°, 50%, 54%
XYZ	15.6395, 21.0809, 24.7175
YIQ	116.5710, -38.8770, -16.8050

# Conversions

## Conversions Part 2

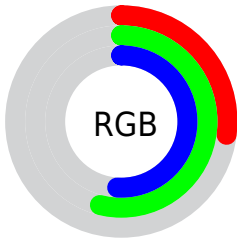
<b>Format</b>	<b>Color</b>
<b>RYB</b>	69, 105, 138
Decimal	4557443
CIELab	53.04, -23.59, -2.97
CIELCh	53, 23.776, 187.186
Yxy	21.0809, 0.2546, 0.3431
Android (android.graphics.Color)	4282747523 (0xFF458A83)
YUV	116.5710, 7.1135, -41.7198
Hunter-Lab	45.9139, -19.5476, 0.2213

# Details

The Hex color **458A83** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **8A454C**, and the grayscale version is **757575**.

A 20% lighter version of the original color is **7AC0B8**, and **055852** is the 20% darker color. If you saturate the color by 10%, you get **378A82**, and if you desaturate by 10%, it is **538A84**.

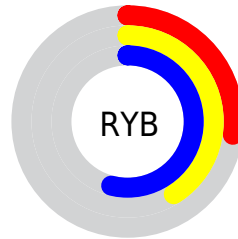
# Distribution



Red (27%)

Green (54%)

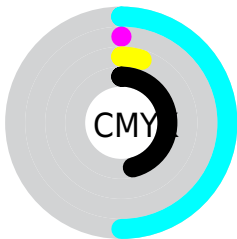
Blue (51%)



Red (27%)

Yellow (41%)

Blue (54%)

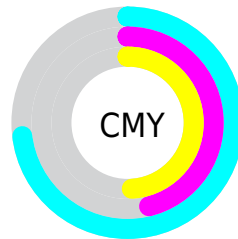


Cyan (50%)

Magenta (0%)

Yellow (5%)

Black (46%)



Cyan (73%)

Magenta (46%)

Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 458A83 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 458A83 by changing the saturation by 10% instead.



 458A83

 458A83

FFFFFF

 29706A

 7AC0B8

 055852

 96DCD4

 00403B

 B2F8F0

 002925

 CEFFFF

 001310

 EBFFFF

 000000

 458A83

 458A83

 378A82

 538A84

 298A80

 618A86

■ 1C8A7F

■ 6E8A87

■ 0E8A7D

■ 7C8A89

■ 008A7C

■ 8A8A8A

■ 988A8B

■ A68A8D

■ B38A8E

■ C18A90

# Harmonies

## Analogous

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



5A896E



458A83



3E8997

# Triad

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



458A83



88789F



9A7859

# Complementary

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



458A83



8A454C

# 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.



A67267



458A83



9D728F

# Square

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



458A83



6B7FA7



A76F7A



887F56

# Rectangle

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



458A83



4787A0



A76F7A



9F765D



# Sweetspot

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



458A83



98B3B0



4D8A45



495958



D9D9D9



595959



# Same Dimension

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



458A83



47B3A8



45708A



3E4544



008577



000505



# Inverse Universe

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



8A454C



B34752



8A5F45



453E3F



85000D

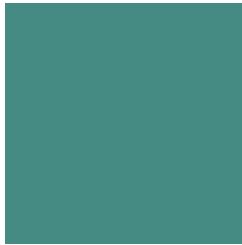


050001



# Previews

## White Background



This preview shows how the Hex color 458A83 looks on a white background.

## Color Contrast Check

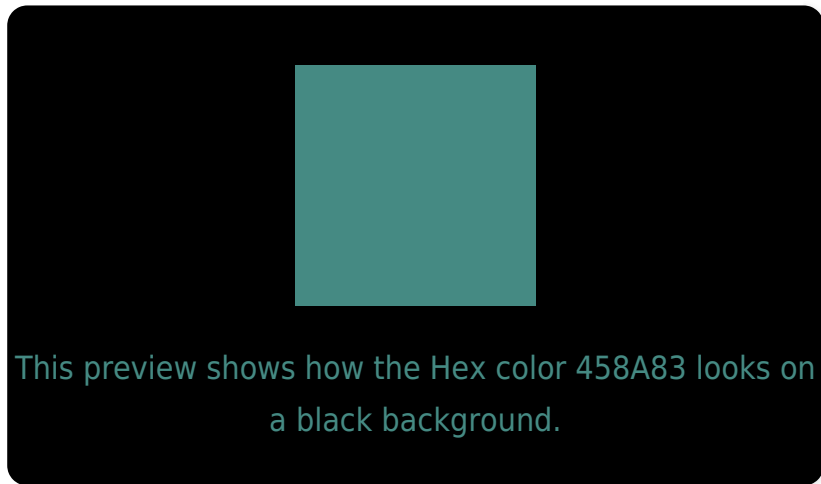
Large Text (above 18pt) WCAG AA ✓ Pass

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

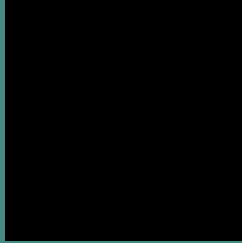
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 458A83 Background



This preview shows how black text looks on a background with the Hex color 458A83.

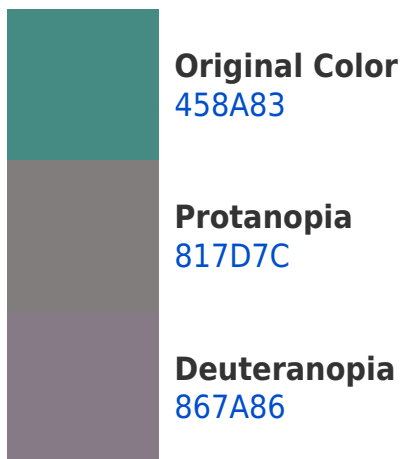



This preview shows how white text looks on a background with the Hex color 458A83.

# 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](#).

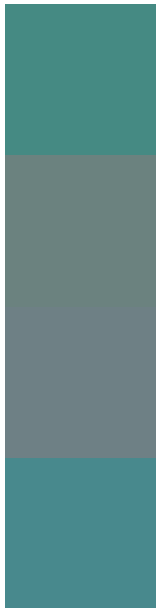
## Dichromacy





**Tritanopia**  
4A8893

# Trichromacy



**Original Color**  
458A83

**Protanomaly**  
6B827F

**Deuteranomaly**  
6E8085

**Tritanomaly**  
48898D

# Monochromacy



**Original Color**  
458A83

**Achromatopsia**  
757575

**Achromatomaly**  
647D7A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 458A83 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 #458A83 looks like.

```
.text, #text, p{  
    color:#458A83  
}
```

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 #458A83 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #458A83
}
```

## Border

The CSS property to change the border of an element to Hex 458A83 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
#458A83 }
```

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

```
.border{ border-color:#458A83 }
```

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

Here you see how a box with a 4 pixel #458A83 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #458A83; -webkit-box-shadow:4px 4px  
4px 4px #458A83; box-shadow:4px 4px 4px  
4px #458A83 }
```

# Background

The CSS property to change the background color of an element to Hex 458A83 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#458A83 }
```

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

```
.background{ background-color:#458A83 }
```

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](#).



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