

# Converting Colors

Hex(553F8C)

Have a look what the booklet for  
Hex(553F8C) contains.

<b>Hex(553F8C)</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(553F8C)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	553F8C
RGB	85, 63, 140
RGB Percent	33%, 25%, 55%
CMY	0.6667, 0.7529, 0.4510
CMYK	0.39, 0.55, 0.00, 0.45
HSL	257°, 38%, 40%
HSV	257°, 55%, 55%
XYZ	10.2574, 7.3798, 25.6948
YIQ	78.3560, -11.6050, 28.6110

# Conversions

## Conversions Part 2

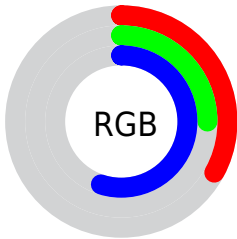
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	85, 63, 140
Decimal	5586828
CIE <sub>Lab</sub>	32.66, 28.33, -39.70
CIE <sub>LCh</sub>	33, 48.771, 305.506
Yxy	7.3798, 0.2367, 0.1703
Android (android.graphics.Color)	4283776908 (0xFF553F8C)
YUV	78.3560, 30.3905, 5.8268
Hunter-Lab	27.1657, 19.8594, -37.0636

# Details

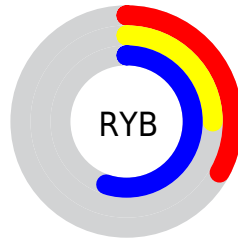
The Hex color **553F8C** is a dark color, and the websafe version is hex **663399**. A complement of this color would be **768C3F**, and the grayscale version is **4E4E4E**.

A 20% lighter version of the original color is **8A6FC2**, and **211359** is the 20% darker color. If you saturate the color by 10%, you get **4B318C**, and if you desaturate by 10%, it is **5F4D8C**.

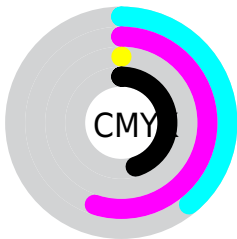
# Distribution



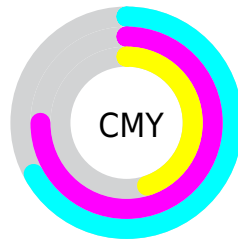
- Red (33%)
- Green (25%)
- Blue (55%)



- Red (33%)
- Yellow (25%)
- Blue (55%)



- Cyan (39%)
- Magenta (55%)
- Yellow (0%)
- Black (45%)



- Cyan (67%)
- Magenta (75%)
- Yellow (45%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 553F8C 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 553F8C by changing the saturation by 10% instead.



■ 553F8C

■ 553F8C

FFFFFF

■ 3B2872

■ 8A6FC2

■ 211359

■ A589DE

■ 060041

■ C1A3FB

■ 00032A

■ DEBFFF

■ 000114

■ FBDBFF

■ 000000

■ FFF7FF

■ 553F8C

■ 553F8C

■ 4B318C

■ 5F4D8C

41238C

695B8C

37158C

73698C

2D078C

7D778C

28008C

87858C

91938C

9BA18C

A5AF8C

AFBD8C

# Harmonies

## Analogous

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



004F9A



553F8C



802B6D

# Triad

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



553F8C



763F00



005E53

# Complementary

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



553F8C



768C3F

# 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.



005C2B



553F8C



574D00

# Square

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



553F8C



8B2C22



2E5700



005D79

# Rectangle

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



553F8C



8D2154



2E5700



005D46



# Sweetspot

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



553F8C



9F96B5



3F768C



4F495C



DBDBDB



5C5C5C



# Same Dimension

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



553F8C



603EB5



7B3F8C



403E45



260085



010005



# Inverse Universe

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



8C3F76



B53E93



508C3F



453E43



85005F

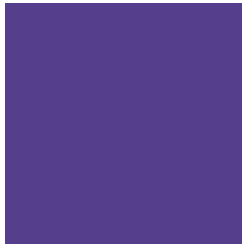


050004



# Previews

## White Background



This preview shows how the Hex color 553F8C 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 ✓ Pass

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

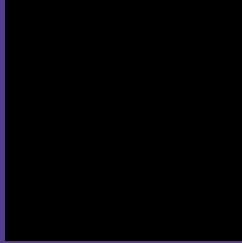
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 553F8C Background



This preview shows how black text looks on a background with the Hex color 553F8C.

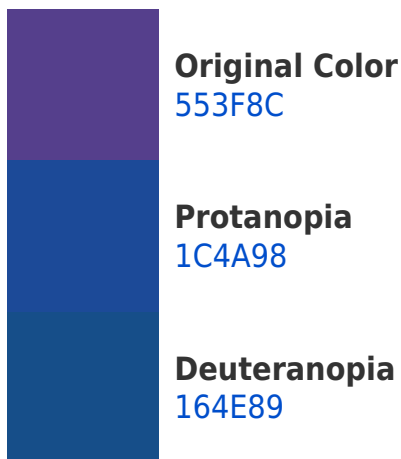



This preview shows how white text looks on a background with the Hex color 553F8C.

# 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**  
484E54

# Trichromacy



**Original Color**  
553F8C

**Protanomaly**  
314694

**Deuteranomaly**  
2D498A

**Tritanomaly**  
4D4968

# Monochromacy



**Original Color**  
553F8C

**Achromatopsia**  
4E4E4E

**Achromatomaly**  
514965

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 553F8C 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 #553F8C looks like.

```
.text, #text, p{  
    color:#553F8C  
}
```

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 #553F8C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #553F8C
}
```

## Border

The CSS property to change the border of an element to Hex 553F8C is called "border". The border property can be set on classes, ids or directly on the HTML element.

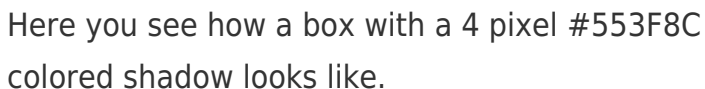
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#553F8C }
```

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

```
.border{ border-color:#553F8C }
```

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



Here you see how a box with a 4 pixel #553F8C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #553F8C; -webkit-box-shadow:4px 4px  
4px 4px #553F8C; box-shadow:4px 4px 4px  
4px #553F8C }
```

# Background

The CSS property to change the background color of an element to Hex 553F8C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#553F8C }
```

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

```
.background{ background-color:#553F8C }
```

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