

# Converting Colors

Hex(584D7A)

Have a look what the booklet for  
Hex(584D7A) contains.

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# Color

Hex(584D7A)

# Conversions

## Conversions Part 1

Format	Color
Hex	584D7A
RGB	88, 77, 122
RGB Percent	35%, 30%, 48%
CMY	0.6549, 0.6980, 0.5216
CMYK	0.28, 0.37, 0.00, 0.52
HSL	255°, 23%, 39%
HSV	255°, 37%, 48%
XYZ	10.1912, 8.7876, 19.5714
YIQ	85.4190, -7.8890, 16.3270

# Conversions

## Conversions Part 2

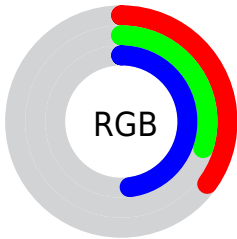
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	88, 77, 122
Decimal	5787002
CIE <sub>Lab</sub>	35.57, 15.24, -23.95
CIE <sub>LCh</sub>	36, 28.393, 302.473
Yxy	8.7876, 0.2644, 0.2280
Android (android.graphics.Color)	4283977082 (0xFF584D7A)
YUV	85.4190, 18.0344, 2.2635
Hunter-Lab	29.6439, 9.4895, -18.3935

# Details

The Hex color **584D7A** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **6F7A4D**, and the grayscale version is **555555**.

A 20% lighter version of the original color is **8B7EAF**, and **292149** is the 20% darker color. If you saturate the color by 10%, you get **4F417A**, and if you desaturate by 10%, it is **61597A**.

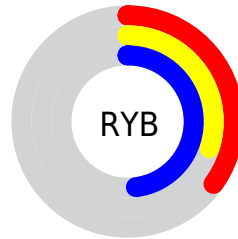
# Distribution



Red (35%)

Green (30%)

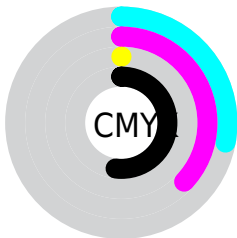
Blue (48%)



Red (35%)

Yellow (30%)

Blue (48%)

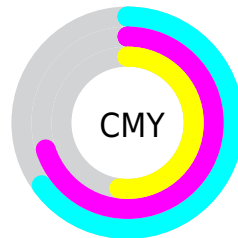


Cyan (28%)

Magenta (37%)

Yellow (0%)

Black (52%)



Cyan (65%)

Magenta (70%)

Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 584D7A 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 584D7A by changing the saturation by 10% instead.



■ 584D7A

■ 584D7A

FFFFFF

■ 403661

■ 8B7EAF

■ 292149

■ A698CA

■ 120C32

■ C1B3E6

■ 00021D

■ DDCEFF

■ 000000

■ FAEAFF

■ 584D7A

■ 584D7A

■ 4F417A

■ 61597A

■ 46357A

■ 6A657A

■ 3C287A

■ 74727A

■ 331C7A

■ 7D7E7A

■ 2A107A

■ 868A7A

■ 21047A

■ 8F967A

■ 1E007A

■ 99A27A

■ A2AF7A

■ ABBB7A

# Harmonies

## Analogous

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



315581



584D7A



714569

# Triad

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



584D7A



724B2C



005F55

# Complementary

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



584D7A



6F7A4D

# 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.



2B5E3E



584D7A



605325

# Square

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



584D7A



7D443D



48592C



005F6B

# Rectangle

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



584D7A



7B415A



48592C



0B5F4D



# Sweetspot

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



584D7A



918D9E



4D707A



47454F



CFCFCF



4F4F4F



# Same Dimension

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



584D7A



6A599E



6E4D7A



39373D



1F007D



3E00FC



# Inverse Universe

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



7A4D6F



9E598D



597A4D



3D373C



7D005E



FC00BF



# Previews

## White Background



This preview shows how the Hex color 584D7A 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

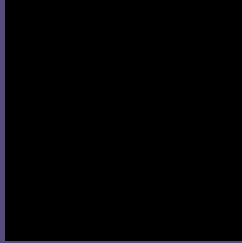
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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



## Hex 584D7A Background



This preview shows how black text looks on a background with the Hex color 584D7A.

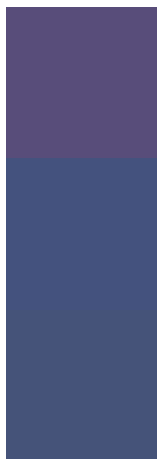


This preview shows how white text looks on a background with the Hex color 584D7A.

# 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](#).

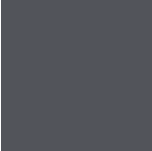
## Dichromacy



**Original Color**  
584D7A

**Protanopia**  
44527E

**Deuteranopia**  
455379



**Tritanopia**  
52545A

# Trichromacy



**Original Color**  
584D7A

**Protanomaly**  
4B507D

**Deuteranomaly**  
4C5179

**Tritanomaly**  
545166

# Monochromacy



**Original Color**  
584D7A

**Achromatopsia**  
555555

**Achromatomaly**  
565262

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 584D7A 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 #584D7A looks like.

```
.text, #text, p{  
    color:#584D7A  
}
```

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 #584D7A colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #584D7A
}
```

## Border

The CSS property to change the border of an element to Hex 584D7A is called "border". The border property can be set on classes, ids or directly on the HTML element.

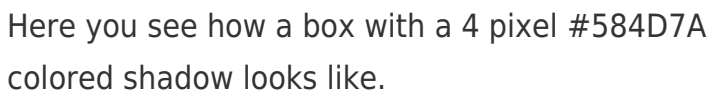
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#584D7A }
```

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

```
.border{ border-color:#584D7A }
```

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



Here you see how a box with a 4 pixel #584D7A colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #584D7A; -webkit-box-shadow:4px 4px  
4px 4px #584D7A; box-shadow:4px 4px 4px  
4px #584D7A }
```

# Background

The CSS property to change the background color of an element to Hex 584D7A is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#584D7A }
```

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

```
.background{ background-color:#584D7A }
```

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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