

# Converting Colors

Hex(2580A7)

Have a look what the booklet for  
Hex(2580A7) contains.

<b>Hex(2580A7)</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(2580A7)

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	2580A7
RGB	37, 128, 167
RGB Percent	15%, 50%, 65%
CMY	0.8549, 0.4980, 0.3451
CMYK	0.78, 0.23, 0.00, 0.35
HSL	198°, 64%, 40%
HSV	198°, 78%, 65%
XYZ	15.4572, 18.6217, 39.3389
YIQ	105.2370, -66.7550, -7.1630

# Conversions

## Conversions Part 2

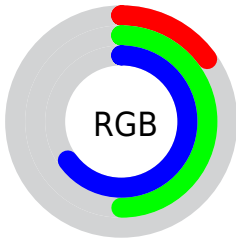
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	37, 91, 167
Decimal	2457767
CIE <sub>Lab</sub>	50.24, -12.61, -28.24
CIE <sub>LCh</sub>	50, 30.922, 245.943
Yxy	18.6217, 0.2105, 0.2536
Android (android.graphics.Color)	4280647847 (0xFF2580A7)
YUV	105.2370, 30.4492, -59.8438
Hunter-Lab	43.1528, -11.5795, -23.8428

# Details

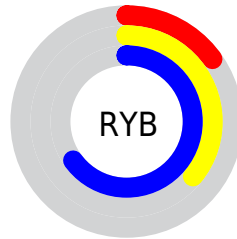
The Hex color **2580A7** is a dark color, and the websafe version is hex **3399CC**. A complement of this color would be **A74C25**, and the grayscale version is **696969**.

A 20% lighter version of the original color is **66B5DE**, and **004F73** is the 20% darker color. If you saturate the color by 10%, you get **147BA7**, and if you desaturate by 10%, it is **3685A7**.

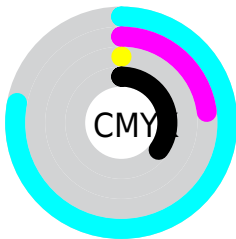
# Distribution



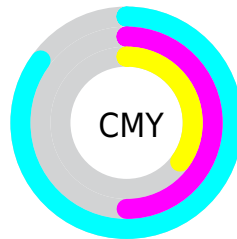
- Red (15%)
- Green (50%)
- Blue (65%)



- Red (15%)
- Yellow (36%)
- Blue (65%)



- Cyan (78%)
- Magenta (23%)
- Yellow (0%)
- Black (35%)



- Cyan (85%)
- Magenta (50%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2580A7 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 2580A7 by changing the saturation by 10% instead.



■ 2580A7

■ 2580A7

FFFFFF

■ 00678C

■ 66B5DE

■ 004F73

■ 83D0FB

■ 00385A

■ A1EDFF

■ 002342

■ BEFFFF

■ 00052C

■ DBFFFF

■ 000117

■ F9FFFF

■ 000000

■ 2580A7

■ 2580A7

■ 147BA7

■ 3685A7

■ 0476A7

■ 468AA7

■ 0075A7

■ 578FA7

■ 6894A7

■ 7999A7

■ 899EA7

■ 9AA3A7

■ ABA8A7

■ BBADA7

# Harmonies

## Analogous

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



008496



2580A7



5978AC

# Triad

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



2580A7



AA6373



677F4C

# Complementary

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



2580A7



A74C25

# 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.



837842



2580A7



A8665A

# Square

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



2580A7



9D668E



9A6F48



478461

# Rectangle

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



2580A7



7572A7



9A6F48



717D47



# Sweetspot

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



2580A7



A7CAD9



25A74C



4F646E



EDEDED



6E6E6E



# Same Dimension

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



2580A7



0F9CD9



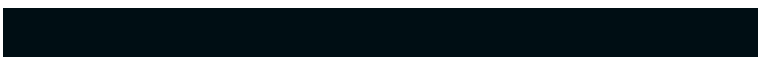
253FA7



4C5254



006894



000E14



# Inverse Universe

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



A72580



D90F9C



A78D25



544C52



940068



14000E



# Previews

## White Background



This preview shows how the Hex color 2580A7 looks on a white background.

## Color Contrast Check

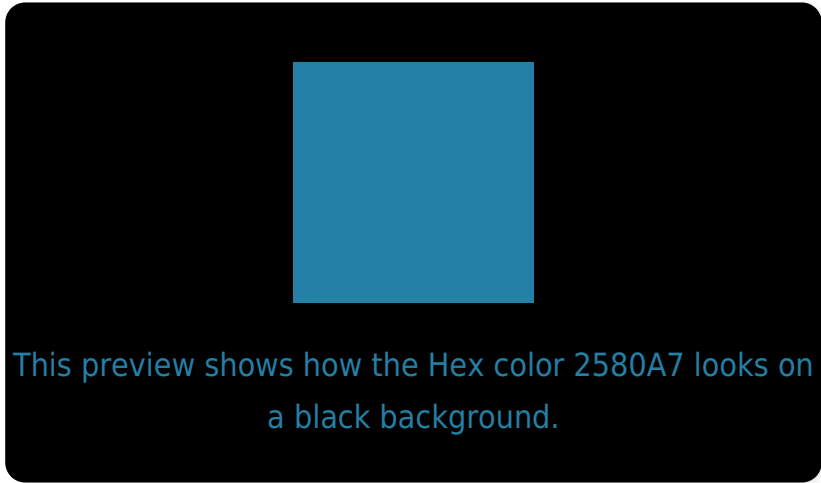
Large Text (above 18pt) WCAG AA ✓ Pass

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

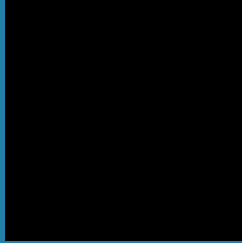
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 2580A7 Background



This preview shows how black text looks on a background with the Hex color 2580A7.



This preview shows how white text looks on a background with the Hex color 2580A7.

# 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](#).

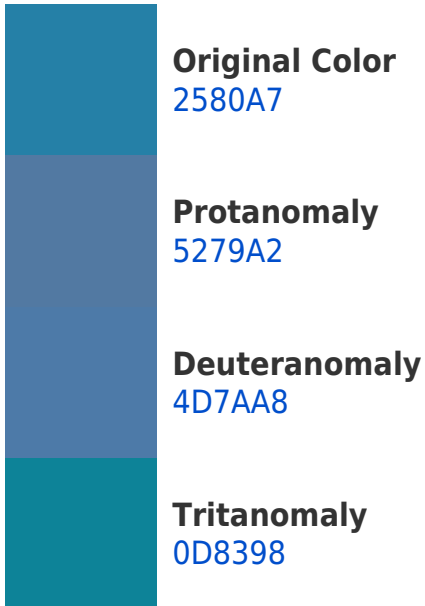
## Dichromacy





**Tritanopia**  
00848F

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2580A7 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 #2580A7 looks like.

```
.text, #text, p{  
    color:#2580A7  
}
```

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 #2580A7 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2580A7
}
```

## Border

The CSS property to change the border of an element to Hex 2580A7 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
#2580A7 }
```

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

```
.border{ border-color:#2580A7 }
```

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

Here you see how a box with a 4 pixel #2580A7 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2580A7; -webkit-box-shadow:4px 4px  
4px 4px #2580A7; box-shadow:4px 4px 4px  
4px #2580A7 }
```

# Background

The CSS property to change the background color of an element to Hex 2580A7 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2580A7 }
```

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

```
.background{ background-color:#2580A7 }
```

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