

# Converting Colors

Hex(1588A5)

Have a look what the booklet for  
Hex(1588A5) contains.

<b>Hex(1588A5)</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(1588A5)

# Conversions

## Conversions Part 1

Format	Color
Hex	1588A5
RGB	21, 136, 165
RGB Percent	8%, 53%, 65%
CMY	0.9176, 0.4667, 0.3529
CMYK	0.87, 0.18, 0.00, 0.35
HSL	192°, 77%, 36%
HSV	192°, 87%, 65%
XYZ	15.9050, 20.4844, 38.7129
YIQ	104.9210, -77.8490, -15.3610

# Conversions

## Conversions Part 2

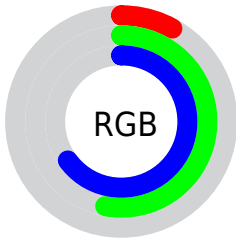
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	21, 85, 165
Decimal	1411237
CIE <sub>Lab</sub>	52.38, -19.21, -23.79
CIE <sub>LCh</sub>	52, 30.579, 231.073
Yxy	20.4844, 0.2118, 0.2728
Android (android.graphics.Color)	4279601317 (0xFF1588A5)
YUV	104.9210, 29.6189, -73.5987
Hunter-Lab	45.2597, -16.4767, -19.0320

# Details

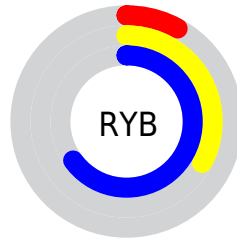
The Hex color **1588A5** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **A53215**, and the grayscale version is **696969**.

A 20% lighter version of the original color is **5FBDDC**, and **005671** is the 20% darker color. If you saturate the color by 10%, you get **0585A5**, and if you desaturate by 10%, it is **268BA5**.

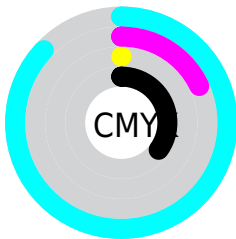
# Distribution



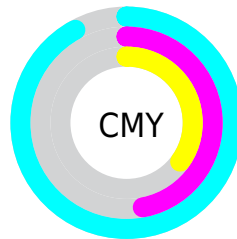
- Red (8%)
- Green (53%)
- Blue (65%)



- Red (8%)
- Yellow (33%)
- Blue (65%)



- Cyan (87%)
- Magenta (18%)
- Yellow (0%)
- Black (35%)



- Cyan (92%)
- Magenta (47%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 1588A5 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 1588A5 by changing the saturation by 10% instead.



■ 1588A5

■ 1588A5

FFFFFF

■ 006F8B

■ 5FBDDC

■ 005671

■ 7DD9F9

■ 003F58

■ 9BF6FF

■ 002841

■ B8FFFF

■ 00122B

■ D6FFFF

■ 000116

■ F4FFFF

■ 000000

■ 1588A5

■ 1588A5

■ 0585A5

■ 268BA5

■ 0084A5

■ 368FA5

■ 4792A5

■ 5795A5

■ 6899A5

■ 789CA5

■ 899FA5

■ 99A3A5

■ AAA6A5

# Harmonies

## Analogous

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



0F8B8F



1588A5



4882B0

# Triad

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



1588A5



AB6986



7B814B

# Complementary

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



1588A5



A53215

# 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.



957949



1588A5



B0696B

# Square

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



1588A5



96709E



A87055



5D875B

# Rectangle

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



1588A5



677CB0



A87055



857F49



# Sweetspot

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



1588A5



9FCBD6



15A532



4A646B



EBEBEB



6B6B6B



# Same Dimension

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



1588A5



00ABD6



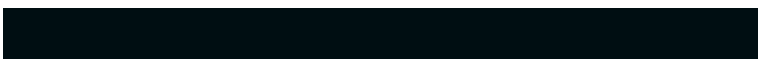
1540A5



495052



007491



000E12



# Inverse Universe

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



A51588



D600AB



A57A15



524950



910074



12000E



# Previews

## White Background



This preview shows how the Hex color 1588A5 looks on a white background.

## Color Contrast Check

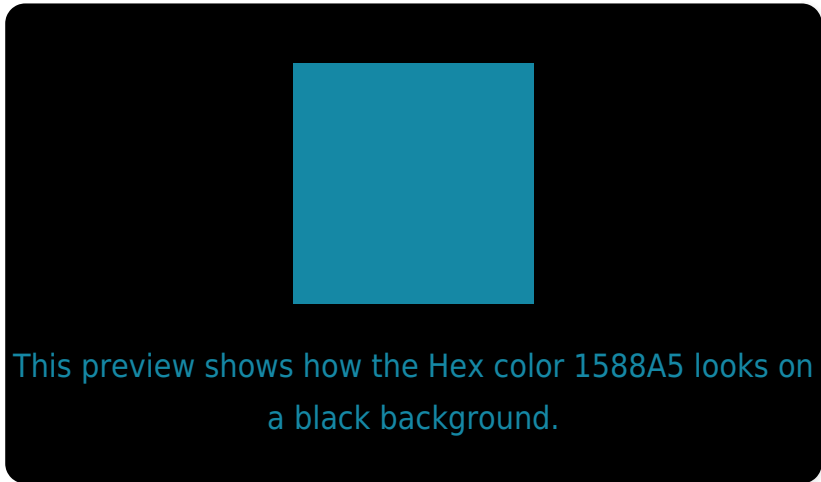
Large Text (above 18pt) WCAG AA ✓ Pass

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

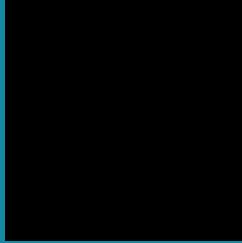
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 1588A5 Background



This preview shows how black text looks on a background with the Hex color 1588A5.

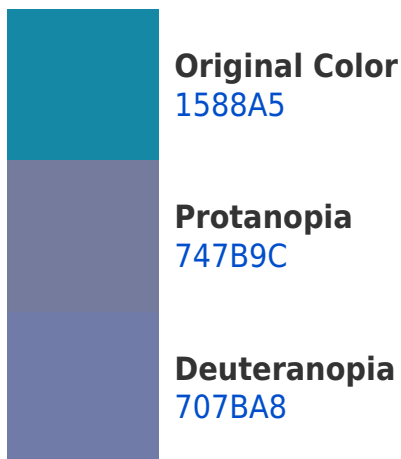


This preview shows how white text looks on a background with the Hex color 1588A5.

# 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](#).

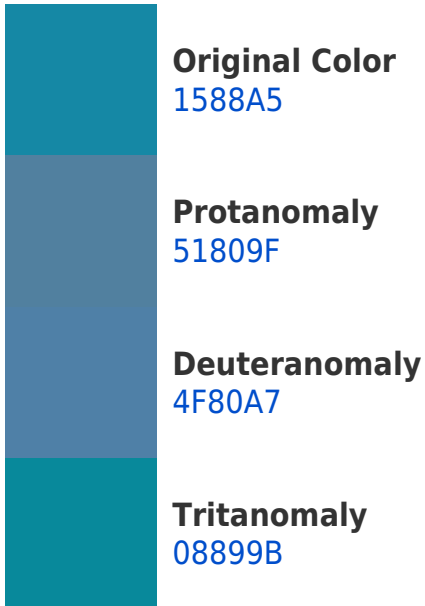
## Dichromacy



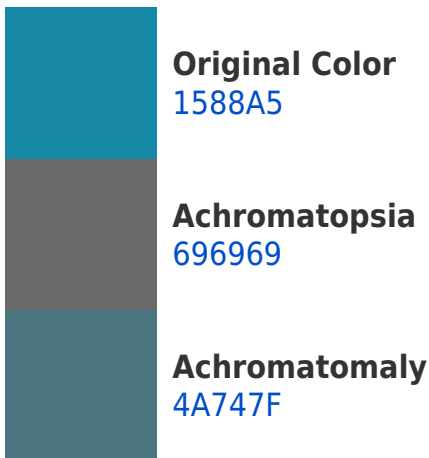


**Tritanopia**  
008A95

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 1588A5 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 #1588A5 looks like.

```
.text, #text, p{  
    color:#1588A5  
}
```

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 #1588A5 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #1588A5
}
```

## Border

The CSS property to change the border of an element to Hex 1588A5 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
#1588A5 }
```

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

```
.border{ border-color:#1588A5 }
```

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

Here you see how a box with a 4 pixel #1588A5 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #1588A5; -webkit-box-shadow:4px 4px  
4px 4px #1588A5; box-shadow:4px 4px 4px  
4px #1588A5 }
```

# Background

The CSS property to change the background color of an element to Hex 1588A5 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#1588A5 }
```

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

```
.background{ background-color:#1588A5 }
```

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