

# Converting Colors

Hex(5DAA96)

Have a look what the booklet for  
Hex(5DAA96) contains.

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**Color**

**Hex(5DAA96)**

# Conversions

## Conversions Part 1

Format	Color
Hex	5DAA96
RGB	93, 170, 150
RGB Percent	36%, 67%, 59%
CMY	0.6353, 0.3333, 0.4118
CMYK	0.45, 0.00, 0.12, 0.33
HSL	164°, 31%, 52%
HSV	164°, 45%, 67%
XYZ	24.3939, 33.2786, 33.9919
YIQ	144.6970, -39.4720, -22.5440

# Conversions

## Conversions Part 2

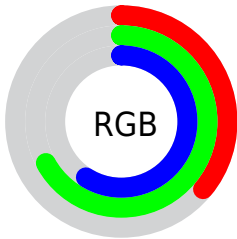
<b>Format</b>	<b>Color</b>
<b>RYB</b>	93, 137, 170
Decimal	6138518
CIELab	64.39, -28.74, 2.92
CIELCh	64, 28.890, 174.197
Yxy	33.2786, 0.2661, 0.3630
Android (android.graphics.Color)	4284328598 (0xFF5DAA96)
YUV	144.6970, 2.6144, -45.3383
Hunter-Lab	57.6876, -25.4723, 5.4453

# Details

The Hex color **5DAA96** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **AA5D71**, and the grayscale version is **919191**.

A 20% lighter version of the original color is **93E2CC**, and **257563** is the 20% darker color. If you saturate the color by 10%, you get **4CAA92**, and if you desaturate by 10%, it is **6EAA9A**.

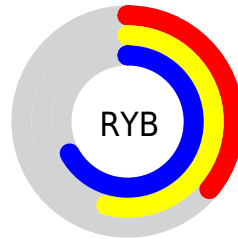
# Distribution



Red (36%)

Green (67%)

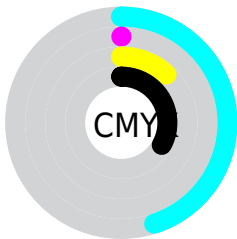
Blue (59%)



Red (36%)

Yellow (54%)

Blue (67%)

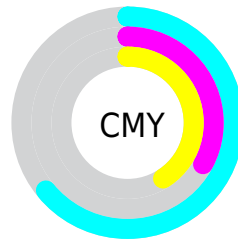


Cyan (45%)

Magenta (0%)

Yellow (12%)

Black (33%)



Cyan (64%)

Magenta (33%)

Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 5DAA96 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 5DAA96 by changing the saturation by 10% instead.



 5DAA96

FFFFFF

 93E2CC

 AFFEE8

 CCFFFF

 E9FFFF

 5DAA96

 4CAA92

 5DAA96

 428F7C

 257563

 005C4B

 004435

 002D20

 001808

 000000

 5DAA96

 6EAA9A

3BAA8D

7FAA9F

2AAA89

90AAA3

19AA84

A1AAA8

08AA80

B2AAAC

00AA7E

C3AAB0

D4AAB5

E5AAB9

F6AABE

# Harmonies

## Analogous

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



7BA77D



5DAA96



49AAB0

# Triad

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



5DAA96



9997CB



C69073

# Complementary

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



5DAA96



AA5D71

# 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.



CF8A88



5DAA96



B88EBB

# Square

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



5DAA96



72A0CF



CB89A2



B39969

# Rectangle

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



5DAA96



4AA8BF



CB89A2



CB8E79



# Sweetspot

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



5DAA96



BFDED6



72AA5D



5D706B



F0F0F0



707070



# Same Dimension

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



5DAA96



66DEBF



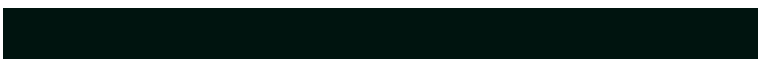
5D98AA



4C5452



00946D



00140F



# Inverse Universe

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



AA5D71



DE6685



AA6F5D



544C4E



940026

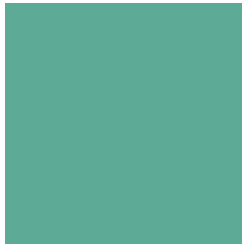


140005



# Previews

## White Background



This preview shows how the Hex color 5DAA96 looks on a white background.

## Color Contrast Check

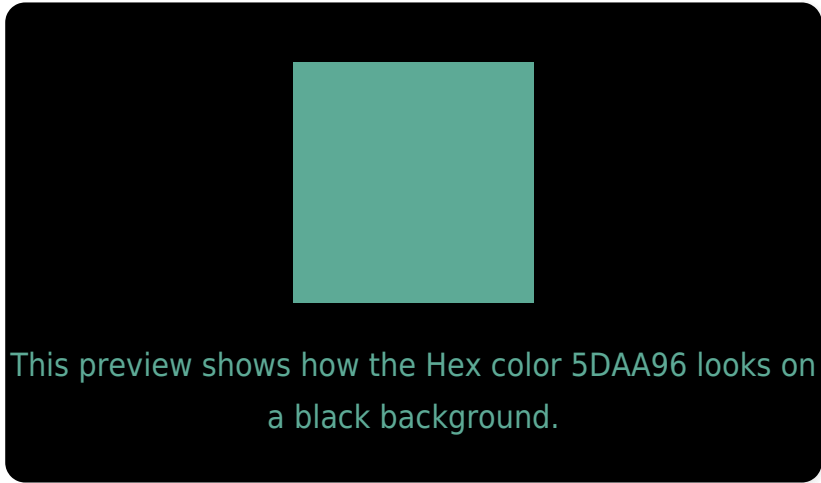
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

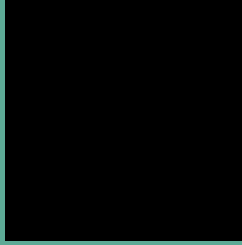
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 5DAA96 Background



This preview shows how black text looks on a background with the Hex color 5DAA96.

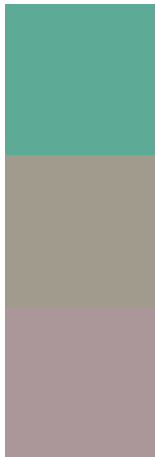


This preview shows how white text looks on a background with the Hex color 5DAA96.

# 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](#).

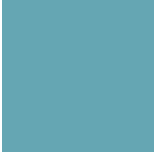
## Dichromacy



**Original Color**  
5DAA96

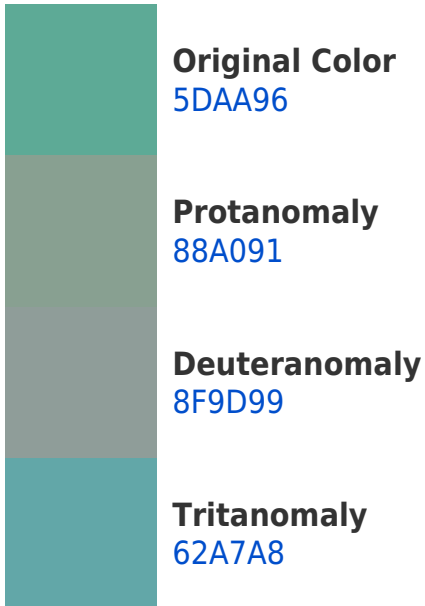
**Protanopia**  
A19B8E

**Deuteranopia**  
AB969A

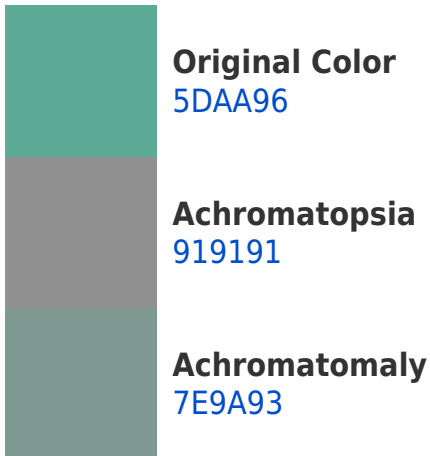


**Tritanopia**  
65A6B3

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 5DAA96 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 #5DAA96 looks like.

```
.text, #text, p{  
    color:#5DAA96  
}
```

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 #5DAA96 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #5DAA96
}
```

## Border

The CSS property to change the border of an element to Hex 5DAA96 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
#5DAA96 }
```

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

```
.border{ border-color:#5DAA96 }
```

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

Here you see how a box with a 4 pixel #5DAA96 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #5DAA96; -webkit-box-shadow:4px 4px  
4px 4px #5DAA96; box-shadow:4px 4px 4px  
4px #5DAA96 }
```

# Background

The CSS property to change the background color of an element to Hex 5DAA96 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#5DAA96 }
```

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

```
.background{ background-color:#5DAA96 }
```

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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