

# Converting Colors

Hex(0CBFA5)

Have a look what the booklet for  
Hex(0CBFA5) contains.

<b>Hex(0CBFA5)</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(0CBFA5)

# Conversions

## Conversions Part 1

Format	Color
Hex	0CBFA5
RGB	12, 191, 165
RGB Percent	5%, 75%, 65%
CMY	0.9529, 0.2510, 0.3529
CMYK	0.94, 0.00, 0.14, 0.25
HSL	171°, 88%, 40%
HSV	171°, 94%, 75%
XYZ	25.5740, 40.0564, 41.9811
YIQ	134.5150, -98.3380, -46.0340

# Conversions

## Conversions Part 2

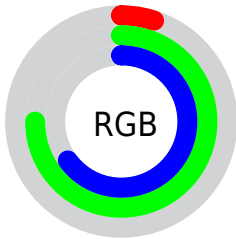
Format	Color
RYP	12, 109, 191
Decimal	835493
CIELab	69.51, -45.78, 1.86
CIElCh	70, 45.822, 177.669
Yxy	40.0564, 0.2377, 0.3722
Android (android.graphics.Color)	4279025573 (0xFF0CBFA5)
YUV	134.5150, 15.0291, -107.4457
Hunter-Lab	63.2901, -38.6303, 4.9753

# Details

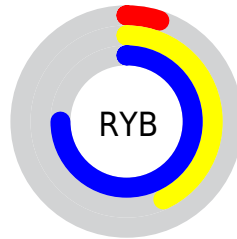
The Hex color **0CBFA5** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **BF0C26**, and the grayscale version is **868686**.

A 20% lighter version of the original color is **66F8DC**, and **008871** is the 20% darker color. If you saturate the color by 10%, you get **00BFA3**, and if you desaturate by 10%, it is **1FBFA8**.

# Distribution



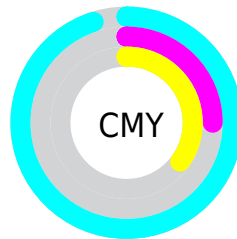
- Red (5%)
- Green (75%)
- Blue (65%)



- Red (5%)
- Yellow (43%)
- Blue (75%)



- Cyan (94%)
- Magenta (0%)
- Yellow (14%)
- Black (25%)



- Cyan (95%)
- Magenta (25%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 0CBFA5 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 0CBFA5 by changing the saturation by 10% instead.



 0CBFA5

 0CBFA5

FFFFFF

 00A38B

 66F8DC

 008871

 86FFF8

 006E59

 A5FFFF

 005542

 C3FFFF

 003C2C

 E2FFFF

 002717

 000000

 0CBFA5

 0CBFA5

 00BFA3

 1FBFA8

 32BFAB

 45BFAD

 58BF80

 6CBFB3

 7FBFB6

 92BFB8

 A5BFBB

 B8BFBE

# Harmonies

## Analogous

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



69BB7C



0CBFA5



00BFCF

# Triad

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



0CBFA5



A8A0F3



E69765

# Complementary

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



0CBFA5



BF0C26

# 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.



F88B85



0CBFA5



DA91D7

# Square

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



0CBFA5



5DAFFC



F588AF



C6A655

# Rectangle

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



0CBFA5



00BCE6



F588AF



EE936E



# Sweetspot

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



0CBFA5



B2F7ED



27BF0C



527D77



FCFCFC



7D7D7D



# Same Dimension

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



0CBFA5



00F7D3



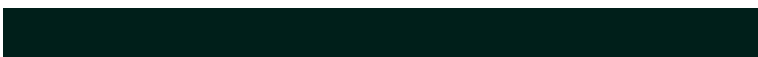
0C80BF



555E5D



009E87



001F1A



# Inverse Universe

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



BF0C26



F70024



BF4B0C



5E5556



9E0017

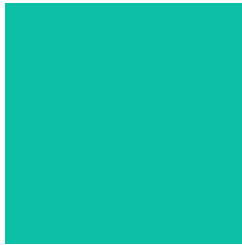


1F0004



# Previews

## White Background



This preview shows how the Hex color 0CBFA5 looks on a white background.

## Color Contrast Check

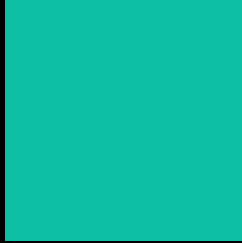
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the Hex color 0CBFA5 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

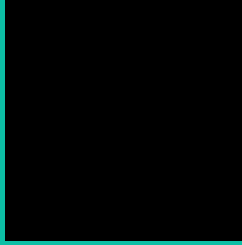
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

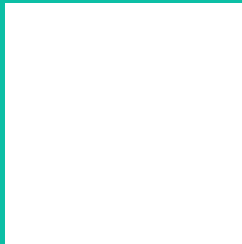
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 0CBFA5 Background



This preview shows how black text looks on a background with the Hex color 0CBFA5.

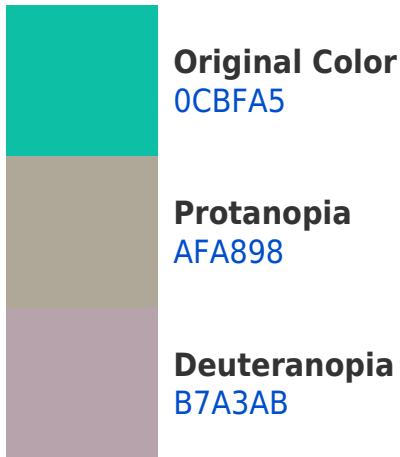


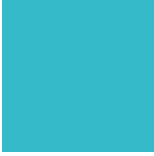
This preview shows how white text looks on a background with the Hex color 0CBFA5.

# 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**  
35BAC9

# Trichromacy



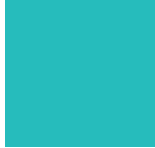
**Original Color**  
0CBFA5



**Protanomaly**  
74B09D



**Deuteranomaly**  
79ADA9



**Tritanomaly**  
26BCBC

# Monochromacy



**Original Color**  
0CBFA5



**Achromatopsia**  
878787



**Achromatomaly**  
5A9B92

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 0CBFA5 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 #0CBFA5 looks like.

```
.text, #text, p{  
    color:#0CBFA5  
}
```

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 #0CBFA5 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #0CBFA5
}
```

## Border

The CSS property to change the border of an element to Hex 0CBFA5 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
#0CBFA5 }
```

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

```
.border{ border-color:#0CBFA5 }
```

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

Here you see how a box with a 4 pixel #0CBFA5 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #0CBFA5; -webkit-box-shadow:4px 4px  
4px 4px #0CBFA5; box-shadow:4px 4px 4px  
4px #0CBFA5 }
```

# Background

The CSS property to change the background color of an element to Hex 0CBFA5 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#0CBFA5 }
```

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

```
.background{ background-color:#0CBFA5 }
```

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