

# Converting Colors

Hex(05BC83)

Have a look what the booklet for  
Hex(05BC83) contains.

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**Color**

**Hex(05BC83)**

# Conversions

## Conversions Part 1

Format	Color
Hex	05BC83
RGB	5, 188, 131
RGB Percent	2%, 74%, 51%
CMY	0.9804, 0.2627, 0.4863
CMYK	0.97, 0.00, 0.30, 0.26
HSL	161°, 95%, 38%
HSV	161°, 97%, 74%
XYZ	22.1425, 37.6374, 27.5704
YIQ	126.7850, -90.7710, -56.5230

# Conversions

## Conversions Part 2

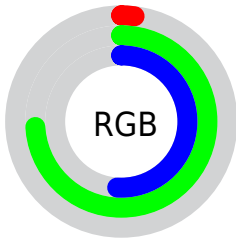
Format	Color
<b>RYB</b>	5, 113, 188
Decimal	375939
CIELab	67.75, -53.35, 17.87
CIELCh	68, 56.260, 161.478
Yxy	37.6374, 0.2535, 0.4309
Android (android.graphics.Color)	4278566019 (0xFF05BC83)
YUV	126.7850, 2.0780, -106.8054
Hunter-Lab	61.3493, -42.9361, 16.2995

# Details

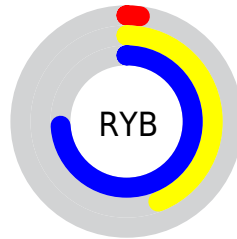
The Hex color **05BC83** is a dark color, and the websafe version is hex **00CC99**. A complement of this color would be **BC053E**, and the grayscale version is **7F7F7F**.

A 20% lighter version of the original color is **62F5B8**, and **008551** is the 20% darker color. If you saturate the color by 10%, you get **00BC81**, and if you desaturate by 10%, it is **18BC89**.

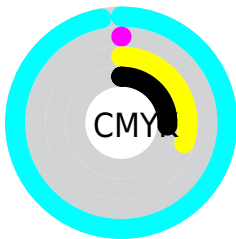
# Distribution



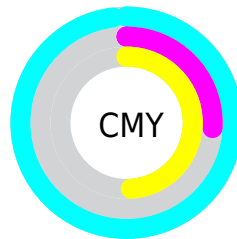
- Red (2%)
- Green (74%)
- Blue (51%)



- Red (2%)
- Yellow (44%)
- Blue (74%)



- Cyan (97%)
- Magenta (0%)
- Yellow (30%)
- Black (26%)



- Cyan (98%)
- Magenta (26%)
- Yellow (49%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 05BC83 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 05BC83 by changing the saturation by 10% instead.




 05BC83

 05BC83

FFFFFF

 00A06A

 62F5B8

 008551

 82FFD4

 006B3A

 A0FFF0

 005224

 BFFFFFF

 00390F

 DDDFFF

 002200

 FFFFFFF

 000000

 05BC83

 05BC83

 00BC81

 18BC89

 2BBC8F

 3DBC95

 50BC9A

 63BCA0

 76BCA6

 89BCAC

 9BBCB2

 AEBCB8

# Harmonies

## Analogous

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



77B555



05BC83



00BEB8

# Triad

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



05BC83



6DA4FF



FA8464

# Complementary

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



05BC83



BC053E

# 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.



FF7893



05BC83



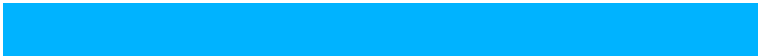
C290F2

# Square

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



05BC83



00B3FF



F27DC7



DB9742

# Rectangle

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



05BC83



00BDD9



F27DC7



FF7F73



# Sweetspot

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



05BC83



AEF5DF



3FBC05



507A6D



FAFAFA



7A7A7A



# Same Dimension

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



05BC83



00F5A9



059ABC



555E5B



009E6D



001F15



# Inverse Universe

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



BC053E



F5004C



BC2705



5E5558



9E0031

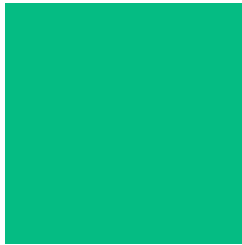


1F000A



# Previews

## White Background



This preview shows how the Hex color 05BC83 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 05BC83 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

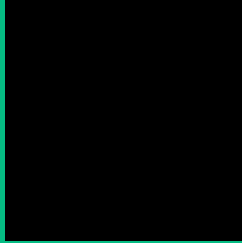
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 05BC83 Background



This preview shows how black text looks on a background with the Hex color 05BC83.

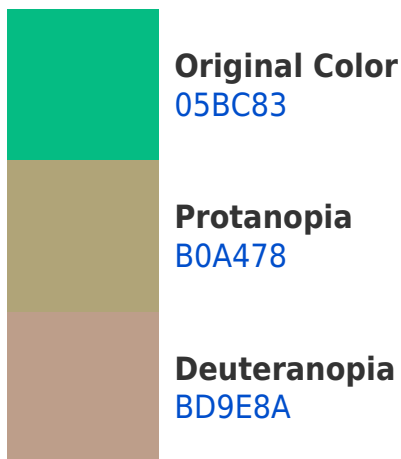


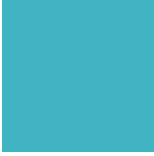
This preview shows how white text looks on a background with the Hex color 05BC83.

# 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**  
40B4C3

# Trichromacy



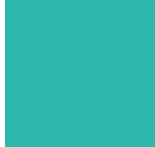
**Original Color**  
05BC83



**Protanomaly**  
72AD7C



**Deuteranomaly**  
7AA987



**Tritanomaly**  
2BB7AC

# Monochromacy



**Original Color**  
05BC83



**Achromatopsia**  
7F7F7F



**Achromatomaly**  
539580

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 05BC83 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 #05BC83 looks like.

```
.text, #text, p{  
    color:#05BC83  
}
```

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 #05BC83 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #05BC83
}
```

## Border

The CSS property to change the border of an element to Hex 05BC83 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
#05BC83 }
```

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

```
.border{ border-color:#05BC83 }
```

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

Here you see how a box with a 4 pixel #05BC83 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #05BC83; -webkit-box-shadow:4px 4px  
4px 4px #05BC83; box-shadow:4px 4px 4px  
4px #05BC83 }
```

# Background

The CSS property to change the background color of an element to Hex 05BC83 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#05BC83 }
```

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

```
.background{ background-color:#05BC83 }
```

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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