

Converting Colors

Hex(49BC85)

Have a look what the booklet for
Hex(49BC85) contains.

Hex(49BC85)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(49BC85)

Conversions

Conversions Part 1

Format	Color
Hex	49BC85
RGB	73, 188, 133
RGB Percent	29%, 74%, 52%
CMY	0.7137, 0.2627, 0.4784
CMYK	0.61, 0.00, 0.29, 0.26
HSL	151°, 46%, 51%
HSV	151°, 61%, 74%
XYZ	24.9645, 39.0764, 28.4170
YIQ	147.3450, -50.8850, -41.4850

Conversions

Conversions Part 2

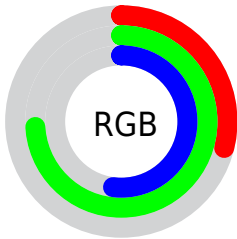
Format	Color
RYB	73, 149, 188
Decimal	4832389
CIELab	68.81, -45.34, 18.41
CIElCh	69, 48.932, 157.903
Yxy	39.0764, 0.2700, 0.4226
Android (android.graphics.Color)	4283022469 (0xFF49BC85)
YUV	147.3450, -7.0721, -65.2006
Hunter-Lab	62.5111, -38.1084, 16.8050

Details

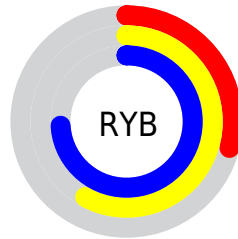
The Hex color **49BC85** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **BC4980**, and the grayscale version is **939393**.

A 20% lighter version of the original color is **84F5BA**, and **008653** is the 20% darker color. If you saturate the color by 10%, you get **36BC7C**, and if you desaturate by 10%, it is **5CBC8E**.

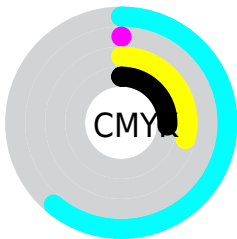
Distribution



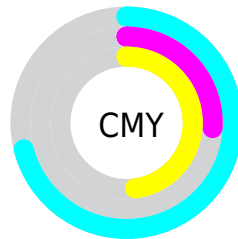
- Red (29%)
- Green (74%)
- Blue (52%)



- Red (29%)
- Yellow (58%)
- Blue (74%)



- Cyan (61%)
- Magenta (0%)
- Yellow (29%)
- Black (26%)



- Cyan (71%)
- Magenta (26%)
- Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the Hex color 49BC85 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 49BC85 by changing the saturation by 10% instead.



49BC85



49BC85

FFFFFF



27A06C



84F5BA



008653



A1FFD6



006C3C



BEFFF3



005325



DBFFFF



003A10



F9FFFF



002500



000000



49BC85



49BC85



36BC7C



5CBC8E

 23BC73

 6FBC97

 11BC6A

 81BCA0

 00BC62

 94BCA9

 A7BCB2

 BABCBB

 CDBCC4

 DFBCCD

 F2BCD6

Harmonies

Analogous

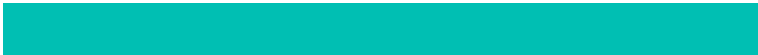
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88B55F



49BC85



00FBF3

Triad

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



49BC85



72A9FF



F68A74

Complementary

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



49BC85



BC4980

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.



FB839E



49BC85



BB98EE

Square

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



49BC85



00B5F9



E888CA



DD9A56

Rectangle

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



49BC85



00BED0



E888CA



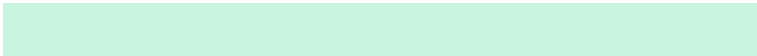
FA8681

Sweetspot

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



49BC85



C9F5E0



81BC49



5F7A6E



FAFAFA



7A7A7A

Same Dimension

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



49BC85



42F59F



49BABC



555E5A



009E52



001F10

Inverse Universe

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



BC4980



F54298



BC4B49



5E5559



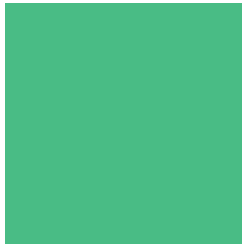
9E004C



1F000F

Previews

White Background



This preview shows how the Hex color 49BC85 looks on a white background.

Color Contrast Check

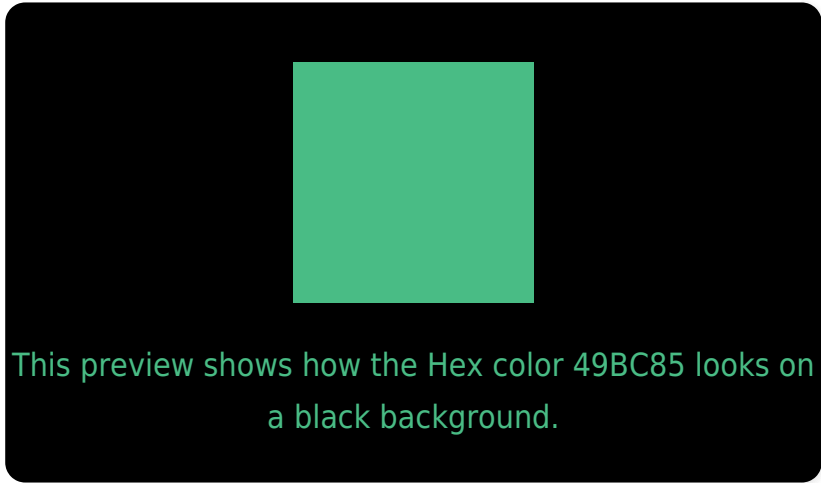
Large Text (above 18pt) WCAG AA × Fail

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

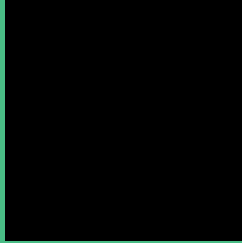
Any Text WCAG AA ✓ Pass

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 49BC85 Background



This preview shows how black text looks on a background with the Hex color 49BC85.

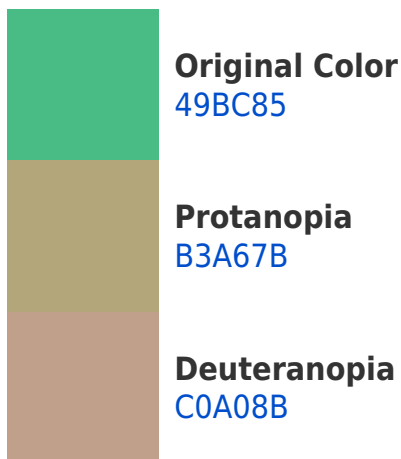


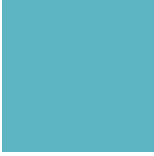
This preview shows how white text looks on a background with the Hex color 49BC85.

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
5DB4C3

Trichromacy



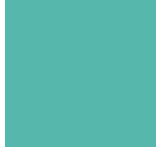
Original Color
49BC85



Protanomaly
8CAE7F



Deuteranomaly
95AA89



Tritanomaly
56B7AC

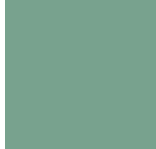
Monochromacy



Original Color
49BC85



Achromatopsia
939393



Achromatomaly
78A28E

CSS Examples

Text

The CSS property to change the color of the text to Hex 49BC85 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 #49BC85 looks like.

```
.text, #text, p{  
    color:#49BC85  
}
```

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 #49BC85 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #49BC85
}
```

Border

The CSS property to change the border of an element to Hex 49BC85 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
#49BC85 }
```

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

```
.border{ border-color:#49BC85 }
```

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

Here you see how a box with a 4 pixel #49BC85 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #49BC85; -webkit-box-shadow:4px 4px  
4px 4px #49BC85; box-shadow:4px 4px 4px  
4px #49BC85 }
```

Background

The CSS property to change the background color of an element to Hex 49BC85 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#49BC85 }
```

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

```
.background{ background-color:#49BC85 }
```

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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