

# Converting Colors

Hex(31B385)

Have a look what the booklet for  
Hex(31B385) contains.

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# Color

Hex(31B385)

# Conversions

## Conversions Part 1

Format	Color
Hex	31B385
RGB	49, 179, 133
RGB Percent	19%, 70%, 52%
CMY	0.8078, 0.2980, 0.4784
CMYK	0.73, 0.00, 0.26, 0.30
HSL	159°, 57%, 45%
HSV	159°, 73%, 70%
XYZ	21.6204, 34.5866, 27.7267
YIQ	134.8860, -62.7140, -41.8660

# Conversions

## Conversions Part 2

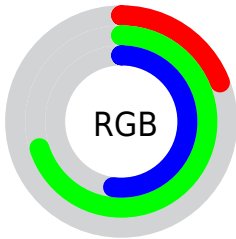
Format	Color
<a href="#">RYB</a>	49, 128, 179
Decimal	3257221
CIELab	65.43, -45.75, 13.62
CIElCh	65, 47.738, 163.421
Yxy	34.5866, 0.2576, 0.4121
Android (android.graphics.Color)	4281447301 (0xFF31B385)
YUV	134.8860, -0.9298, -75.3220
Hunter-Lab	58.8104, -37.2965, 13.2145

# Details

The Hex color **31B385** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **B3315F**, and the grayscale version is **878787**.

A 20% lighter version of the original color is **71ECBA**, and **007D53** is the 20% darker color. If you saturate the color by 10%, you get **1FB37F**, and if you desaturate by 10%, it is **43B38B**.

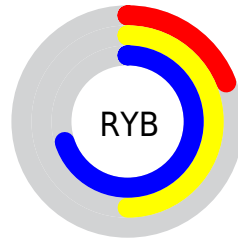
# Distribution



Red (19%)

Green (70%)

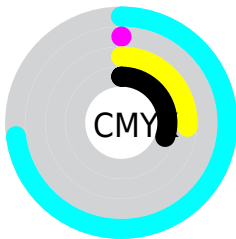
Blue (52%)



Red (19%)

Yellow (50%)

Blue (70%)

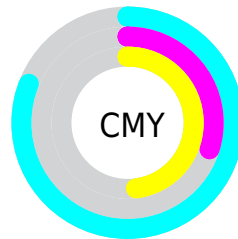


Cyan (73%)

Magenta (0%)

Yellow (26%)

Black (30%)



Cyan (81%)

Magenta (30%)


Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 31B385 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 31B385 by changing the saturation by 10% instead.



 31B385

 31B385

FFFFFF

 00986C

 71ECBA

 007D53

 8FFFD6

 00633C

 ACFFF2

 004A26


 CAFFFF

 003311

 E8FFFF

 001B00

 000000

 31B385

 31B385

 1FB37F

 43B38B

 0DB378

 55B392

 00B374

 67B398

 79B39E

 8BB3A5

 9CB3AB

 AEB3B1

 C0B3B8

 D2B3BE

# Harmonies

## Analogous

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



76AD5E



31B385



00B5B1

# Triad

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



31B385



7A9DF2



E78566

# Complementary

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



31B385



B3315F

# 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.



F07B8D



31B385



BB8CDD

# Square

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



31B385



00AAFO



E27EB8



CC944C

# Rectangle

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



31B385



00B3CD



E27EB8



EC8072



# Sweetspot

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



31B385



B5E8D6



61B331



57756B



F5F5F5



757575



# Same Dimension

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



31B385



1EE8A1



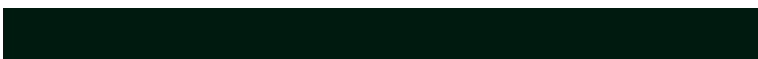
31A2B3



505956



009963



001A10



# Inverse Universe

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



B3315F



E81E66



B34231



595053



990036

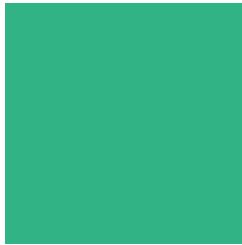


1A0009



# Previews

## White Background



This preview shows how the Hex color 31B385 looks on a white background.

## Color Contrast Check

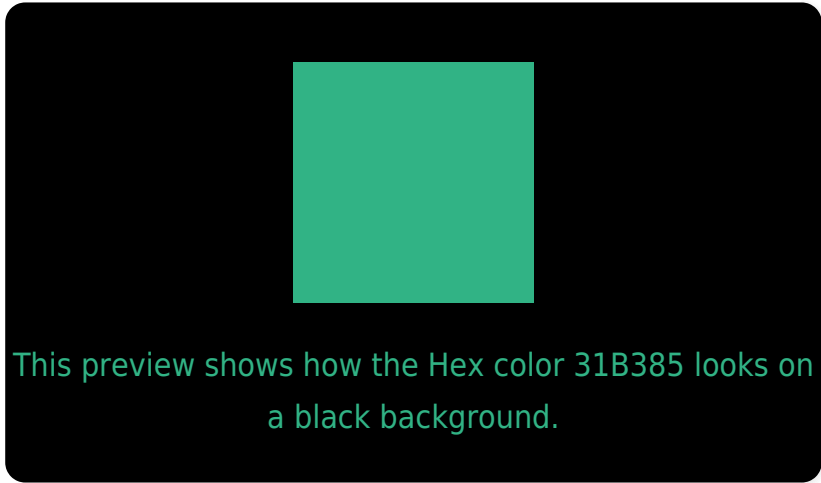
Large Text (above 18pt) WCAG AA × Fail

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 31B385 Background



This preview shows how black text looks on a background with the Hex color 31B385.

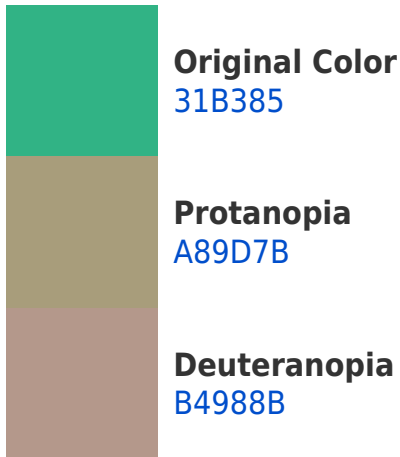


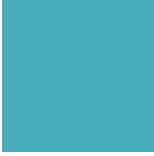
This preview shows how white text looks on a background with the Hex color 31B385.

# 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





# Trichromacy



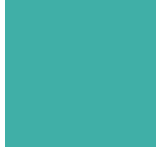
**Original Color**  
31B385



**Protanomaly**  
7DA57F



**Deuteranomaly**  
84A289



**Tritanomaly**  
40AFA7

# Monochromacy



**Original Color**  
31B385



**Achromatopsia**  
878787



**Achromatomaly**  
689786

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 31B385 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 #31B385 looks like.

```
.text, #text, p{  
    color:#31B385  
}
```

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 #31B385 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #31B385
}
```

## Border

The CSS property to change the border of an element to Hex 31B385 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
#31B385 }
```

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

```
.border{ border-color:#31B385 }
```

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

Here you see how a box with a 4 pixel #31B385 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #31B385; -webkit-box-shadow:4px 4px  
4px 4px #31B385; box-shadow:4px 4px 4px  
4px #31B385 }
```

# Background

The CSS property to change the background color of an element to Hex 31B385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#31B385 }
```

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

```
.background{ background-color:#31B385 }
```

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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