

# Converting Colors

Hex(31D088)

Have a look what the booklet for  
Hex(31D088) contains.

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**Color**

**Hex(31D088)**

# Conversions

## Conversions Part 1

Format	Color
Hex	31D088
RGB	49, 208, 136
RGB Percent	19%, 82%, 53%
CMY	0.8078, 0.1843, 0.4667
CMYK	0.76, 0.00, 0.35, 0.18
HSL	153°, 63%, 50%
HSV	153°, 76%, 82%
XYZ	28.2664, 47.5423, 30.9793
YIQ	152.2510, -71.6520, -56.1000

# Conversions

## Conversions Part 2

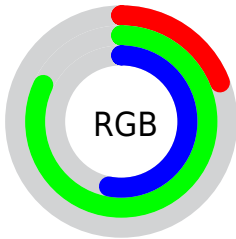
Format	Color
<a href="#">RYB</a>	<a href="#">49, 152, 208</a>
Decimal	<a href="#">3264648</a>
CIELab	<a href="#">74.54, -56.49, 24.55</a>
CIELCh	<a href="#">75, 61.599, 156.510</a>
Yxy	<a href="#">47.5423, 0.2647, 0.4452</a>
Android (android.graphics.Color)	<a href="#">4281454728 (0xFF31D088)</a>
YUV	<a href="#">152.2510, -8.0117, -90.5511</a>
Hunter-Lab	<a href="#">68.9509, -47.4880, 21.6269</a>

# Details

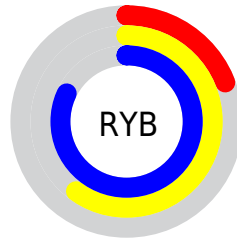
The Hex color **31D088** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle muted spring green. A complement of this color would be **D03179**, and the grayscale version is **989898**.

A 20% lighter version of the original color is **77FFBE**, and **009856** is the 20% darker color. If you saturate the color by 10%, you get **1CD07F**, and if you desaturate by 10%, it is **46D091**.

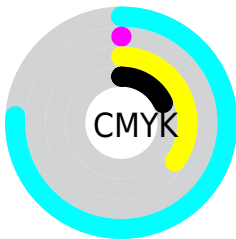
# Distribution



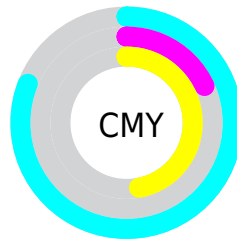
- Red (19%)
- Green (82%)
- Blue (53%)



- Red (19%)
- Yellow (60%)
- Blue (82%)



- Cyan (76%)
- Magenta (0%)
- Yellow (35%)
- Black (18%)



- Cyan (81%)
- Magenta (18%)
- Yellow (47%)


# Brightness & Saturation Gradients

These gradients show how the Hex color 31D088 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 31D088 by changing the saturation by 10% instead.



 31D088

 31D088

FFFFFF

 00B46E

 77FFBE

 009856

 96FFDA

 007D3E

 B4FFF6

 006327

 D3FFFF

 004A11

 F1FFFF

 003300

 001800

 000000

 31D088

 31D088

 1CD07F

 46D091

 07D075

 5BD09B

 00D072

 6FD0A4

 84D0AE

 99D0B7

 AED0C1

 C3D0CA

 D7D0D3

 ECD0DD

# Harmonies

## Analogous

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



8FC757



31D088



00D3C2

# Triad

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



31D088



60B9FF



FF8F77

# Complementary

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



31D088



D03179

# 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.



FF85AD



31D088



CBA3FF

# Square

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



31D088



00C9FF



FF8DE6



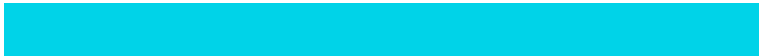
FBA44E

# Rectangle

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



31D088



00D3E8



FF8DE6



FF8A88

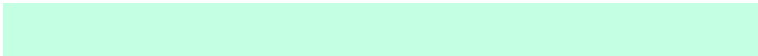


# Sweetspot

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



31D088



C4FFE4



7BD031



5C806F



000000



808080



# Same Dimension

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



31D088



14FF95



31CBD0



5E6964



00A85C



002916



# Inverse Universe

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



D03179



FF147F



D03631



695E63



A8004C

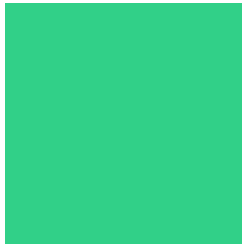


290012



# Previews

## White Background



This preview shows how the Hex color 31D088 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 31D088 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

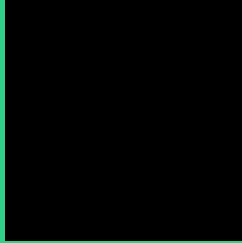
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 31D088 Background



This preview shows how black text looks on a background with the Hex color 31D088.

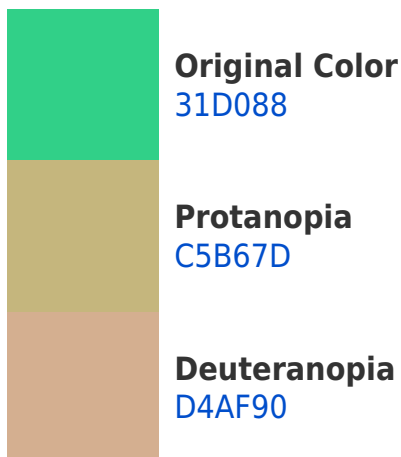


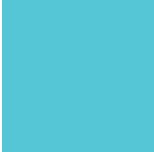
This preview shows how white text looks on a background with the Hex color 31D088.

# 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**  
55C6D6

# Trichromacy



**Original Color**  
31D088



**Protanomaly**  
8FBF81



**Deuteranomaly**  
99BB8D



**Tritanomaly**  
48CABA

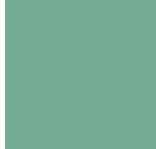
# Monochromacy



**Original Color**  
31D088



**Achromatopsia**  
989898



**Achromatomaly**  
73AC92

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 31D088 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 #31D088 looks like.

```
.text, #text, p{  
    color:#31D088  
}
```

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 #31D088 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #31D088
}
```

## Border

The CSS property to change the border of an element to Hex 31D088 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
#31D088 }
```

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

```
.border{ border-color:#31D088 }
```

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

Here you see how a box with a 4 pixel #31D088 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #31D088; -webkit-box-shadow:4px 4px  
4px 4px #31D088; box-shadow:4px 4px 4px  
4px #31D088 }
```

# Background

The CSS property to change the background color of an element to Hex 31D088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#31D088 }
```

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

```
.background{ background-color:#31D088 }
```

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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