

# Converting Colors

Hex(31D2E9)

Have a look what the booklet for  
Hex(31D2E9) contains.

<b>Hex(31D2E9)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	11
<b><i>Previews</i></b> .....	23
<b><i>Color Blindness Simulation</i></b> .....	26
<b><i>CSS Examples</i></b> .....	29

# **Color**

**Hex(31D2E9)**

# Conversions

## Conversions Part 1

Format	Color
Hex	31D2E9
RGB	49, 210, 233
RGB Percent	19%, 82%, 91%
CMY	0.8078, 0.1765, 0.0863
CMYK	0.79, 0.10, 0.00, 0.09
HSL	188°, 81%, 55%
HSV	188°, 79%, 91%
XYZ	39.0212, 52.6293, 85.1926
YIQ	164.4830, -103.3390, -26.9790

# Conversions

## Conversions Part 2

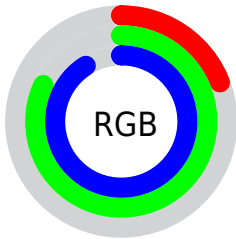
Format	Color
R <sub>Y</sub> B	49, 135, 233
Decimal	3265257
CIE Lab	77.66, -32.08, -22.82
CIE LCh	78, 39.364, 215.428
Yxy	52.6293, 0.2207, 0.2976
Android (android.graphics.Color)	4281455337 (0xFF31D2E9)
YUV	164.4830, 33.7789, -101.2786
Hunter-Lab	72.5461, -30.9438, -18.8434

# Details

The Hex color **31D2E9** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **E94831**, and the grayscale version is **A4A4A4**.

A 20% lighter version of the original color is **7EFFFF**, and **009BB1** is the 20% darker color. If you saturate the color by 10%, you get **1ACFE9**, and if you desaturate by 10%, it is **48D5E9**.

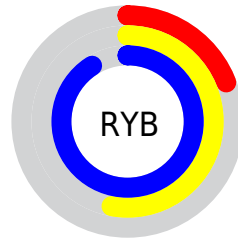
# Distribution



Red (19%)

Green (82%)

Blue (91%)



Red (19%)

Yellow (53%)

Blue (91%)

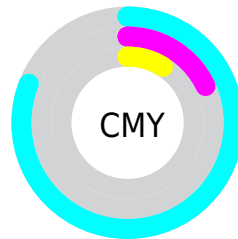


Cyan (79%)

Magenta (10%)

Yellow (0%)

Black (9%)



Cyan (81%)

Magenta (18%)

Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 31D2E9 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 31D2E9 by changing the saturation by 10% instead.



 31D2E9

 31D2E9

FFFFFF

 00B6CD

 7EFFFF

 009BB1

 9EFFFF

 008197

 BEFFFF

 00677D

 DDFFFF

 004F64

 FDFFFF

 00374C

 002335

 000220

 000004

■ 31D2E9

■ 31D2E9

■ 1ACFE9

■ 48D5E9

■ 02CCE9

■ 60D8E9

■ 00CCE9

■ 77DBE9

■ 8EDEE9

■ A6E1E9

■ BDE3E9

■ D4E6E9

■ EBE9E9

■ FFECE9

# Harmonies

## Analogous

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



4FD4C6



31D2E9



5ACCFE

# Triad

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



31D2E9



F4A8DF



D2C077

# Complementary

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



31D2E9



E94831

# 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.



F1B37E



31D2E9



FFA4BB

# Square

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



31D2E9



CDB4FB



FFA897



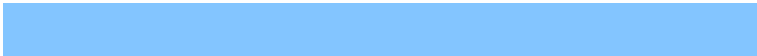
ABCA83

# Rectangle

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



31D2E9



83C5FF



FFA897



DDBC77



# Sweetspot

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



31D2E9



C2F7FF



31E946



5B7B80



000000



808080

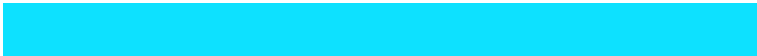


# Same Dimension

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



31D2E9



0DE1FF



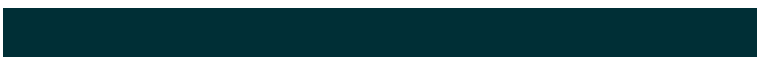
3178E9



6A7475



009EB5



002F36



# Inverse Universe

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



E931D2



FF0DE1



E9A231



756A74



B5009E

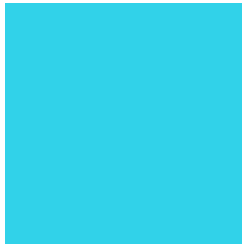


36002F



# Previews

## White Background



This preview shows how the Hex color 31D2E9 looks on a white background.

## Color Contrast Check

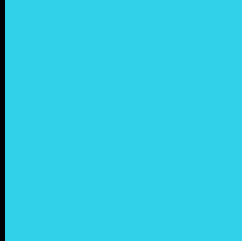
Large Text (above 18pt) WCAG AA × Fail

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 31D2E9 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 31D2E9 Background



This preview shows how black text looks on a background with the Hex color 31D2E9.

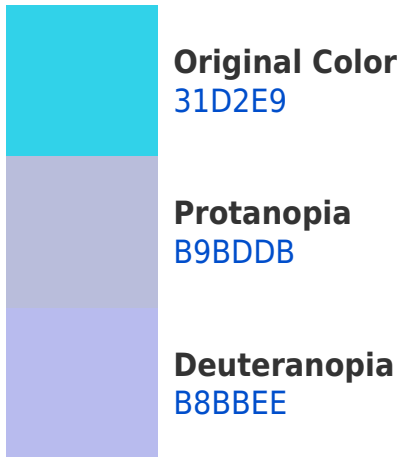


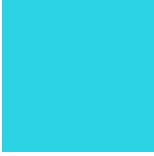
This preview shows how white text looks on a background with the Hex color 31D2E9.

# 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



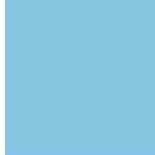


**Tritanopia**  
2CD3E4

# Trichromacy



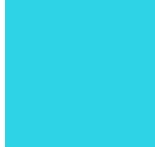
**Original Color**  
31D2E9



**Protanomaly**  
88C5E0



**Deuteranomaly**  
87C3EC

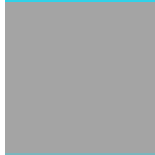


**Tritanomaly**  
2ED3E6

# Monochromacy



**Original Color**  
31D2E9



**Achromatopsia**  
A4A4A4



**Achromatomaly**  
7AB5BD

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 31D2E9 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 #31D2E9 looks like.

```
.text, #text, p{  
    color:#31D2E9  
}
```

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 #31D2E9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #31D2E9
}
```

## Border

The CSS property to change the border of an element to Hex 31D2E9 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
#31D2E9 }
```

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

```
.border{ border-color:#31D2E9 }
```

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

Here you see how a box with a 4 pixel #31D2E9 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #31D2E9; -webkit-box-shadow:4px 4px  
4px 4px #31D2E9; box-shadow:4px 4px 4px  
4px #31D2E9 }
```

# Background

The CSS property to change the background color of an element to Hex 31D2E9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#31D2E9 }
```

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

```
.background{ background-color:#31D2E9 }
```

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