

# Converting Colors

Hex(2DB7C9)

Have a look what the booklet for  
Hex(2DB7C9) contains.

<b>Hex(2DB7C9)</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(2DB7C9)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2DB7C9
RGB	45, 183, 201
RGB Percent	18%, 72%, 79%
CMY	0.8235, 0.2824, 0.2118
CMYK	0.78, 0.09, 0.00, 0.21
HSL	187°, 63%, 48%
HSV	187°, 78%, 79%
XYZ	28.5583, 38.6419, 61.2118
YIQ	143.7900, -88.0260, -23.6580

# Conversions

## Conversions Part 2

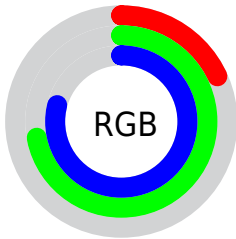
Format	Color
<b>RYB</b>	45, 118, 201
Decimal	2996169
CIELab	68.49, -29.30, -19.39
CIELCh	68, 35.132, 213.500
Yxy	38.6419, 0.2224, 0.3009
Android (android.graphics.Color)	4281186249 (0xFF2DB7C9)
YUV	143.7900, 28.2045, -86.6388
Hunter-Lab	62.1626, -26.7794, -14.8693

# Details

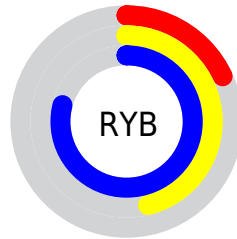
The Hex color **2DB7C9** is a dark color, and the websafe version is hex **66CCCC**. The color can be described as middle muted azure. A complement of this color would be **C93F2D**, and the grayscale version is **909090**.

A 20% lighter version of the original color is **75EFFF**, and **008293** is the 20% darker color. If you saturate the color by 10%, you get **19B5C9**, and if you desaturate by 10%, it is **41B9C9**.

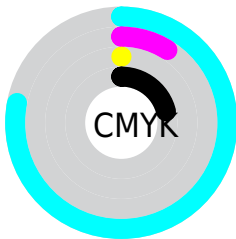
# Distribution



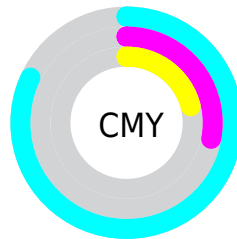
- Red (18%)
- Green (72%)
- Blue (79%)



- Red (18%)
- Yellow (46%)
- Blue (79%)



- Cyan (78%)
- Magenta (9%)
- Yellow (0%)
- Black (21%)



- Cyan (82%)
- Magenta (28%)
- Yellow (21%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2DB7C9 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 2DB7C9 by changing the saturation by 10% instead.



 2DB7C9

 2DB7C9

FFFFFF

 009CAE

 75EFFF

 008293

 94FFFF

 006879

 B2FFFF

 005060

 D1FFFF

 003849

 EFFFFF

 002432

 00021D

 000000

 2DB7C9

 2DB7C9

■ 19B5C9

■ 41B9C9

■ 05B2C9

■ 55BCC9

■ 00B2C9

■ 69BEC9

■ 7DC0C9

■ 92C3C9

■ A6C5C9

■ BAC7C9

■ CECAC9

■ E2CCC9

# Harmonies

## Analogous

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



48B8AA



2DB7C9



4CB2DF

# Triad

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



2DB7C9



D293C4



B9A667

# Complementary

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



2DB7C9



C93F2D

# 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.



D49B6F



2DB7C9



E48FA4

# Square

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



2DB7C9



B09DDC



E39286



97B071

# Rectangle

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



2DB7C9



6FACE6



E39286



C3A368



# Sweetspot

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



2DB7C9



C4F8FF



2DC93D



5C7B80



000000



808080

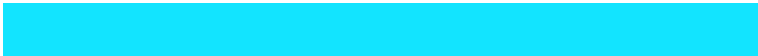


# Same Dimension

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



2DB7C9



12E4FF



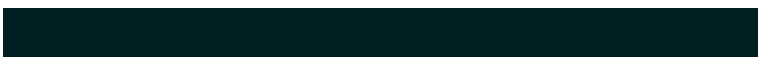
2D6BC9



5A6263



0090A3



002024



# Inverse Universe

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



C92DB7



FF12E4



C98B2D



635A62



A30090



240020



# Previews

## White Background



This preview shows how the Hex color 2DB7C9 looks on a white background.

## Color Contrast Check

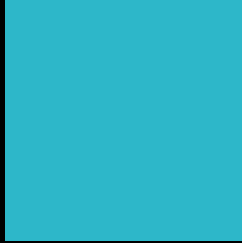
Large Text (above 18pt) WCAG AA × Fail

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 2DB7C9 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

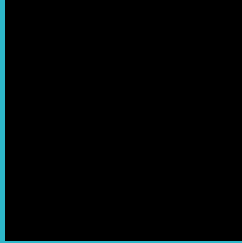
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 2DB7C9 Background



This preview shows how black text looks on a background with the Hex color 2DB7C9.

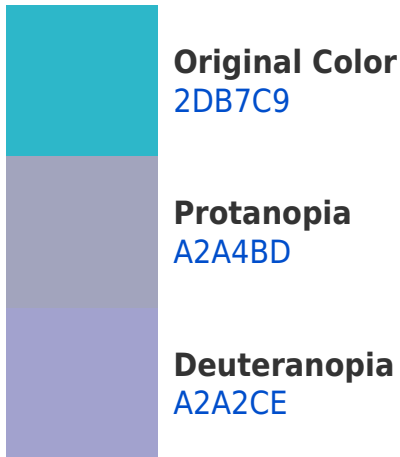


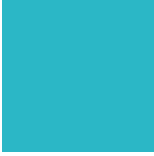
This preview shows how white text looks on a background with the Hex color 2DB7C9.

# 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**  
2BB7C6

# Trichromacy



**Original Color**  
2DB7C9



**Protanomaly**  
77ABC1



**Deuteranomaly**  
77AACC



**Tritanomaly**  
2CB7C7

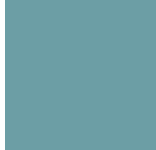
# Monochromacy



**Original Color**  
2DB7C9



**Achromatopsia**  
909090



**Achromatomaly**  
6C9EA5

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2DB7C9 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 #2DB7C9 looks like.

```
.text, #text, p{  
    color:#2DB7C9  
}
```

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 #2DB7C9 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2DB7C9
}
```

## Border

The CSS property to change the border of an element to Hex 2DB7C9 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
#2DB7C9 }
```

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

```
.border{ border-color:#2DB7C9 }
```

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

Here you see how a box with a 4 pixel #2DB7C9 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2DB7C9; -webkit-box-shadow:4px 4px  
4px 4px #2DB7C9; box-shadow:4px 4px 4px  
4px #2DB7C9 }
```

# Background

The CSS property to change the background color of an element to Hex 2DB7C9 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2DB7C9 }
```

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

```
.background{ background-color:#2DB7C9 }
```

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