

# Converting Colors

Hex(2DD2B2)

Have a look what the booklet for  
Hex(2DD2B2) contains.

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# Color

**Hex(2DD2B2)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2DD2B2
RGB	45, 210, 178
RGB Percent	18%, 82%, 70%
CMY	0.8235, 0.1765, 0.3020
CMYK	0.79, 0.00, 0.15, 0.18
HSL	168°, 65%, 50%
HSV	168°, 79%, 82%
XYZ	32.1647, 49.8654, 50.0492
YIQ	157.0170, -88.0680, -44.9320

# Conversions

## Conversions Part 2

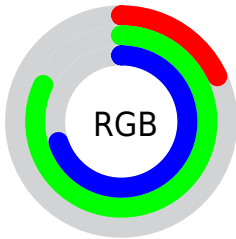
Format	Color
<a href="#">RYB</a>	<a href="#">45, 136, 210</a>
Decimal	<a href="#">3003058</a>
CIELab	<a href="#">75.99, -48.06, 4.25</a>
CIELCh	<a href="#">76, 48.250, 174.951</a>
Yxy	<a href="#">49.8654, 0.2435, 0.3775</a>
Android (android.graphics.Color)	<a href="#">4281193138 (0xFF2DD2B2)</a>
YUV	<a href="#">157.0170, 10.3446, -98.2389</a>
Hunter-Lab	<a href="#">70.6155, -42.2720, 7.4086</a>

# Details

The Hex color **2DD2B2** is a dark color, and the websafe version is hex **33CC99**. The color can be described as middle washed spring green. A complement of this color would be **D22D4D**, and the grayscale version is **9D9D9D**.

A 20% lighter version of the original color is **77FFEA**, and **009A7D** is the 20% darker color. If you saturate the color by 10%, you get **18D2AE**, and if you desaturate by 10%, it is **42D2B6**.

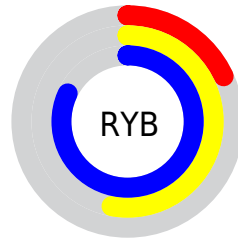
# Distribution



Red (18%)

Green (82%)

Blue (70%)



Red (18%)

Yellow (53%)

Blue (82%)

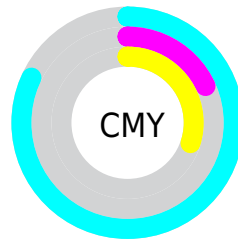


Cyan (79%)

Magenta (0%)

Yellow (15%)

Black (18%)



Cyan (82%)

Magenta (18%)

Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2DD2B2 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 2DD2B2 by changing the saturation by 10% instead.





2DD2B2



2DD2B2

FFFFFF



00B697



77FFEA



009A7D



96FFFF



008065



B5FFFF



00664D



D4FFFF



004D36



F2FFFF



003521



001D0A



000000



2DD2B2



2DD2B2

 18D2AE

 42D2B6

 03D2AA

 57D2BA

 00D2A9

 6CD2BE

 81D2C2

 96D2C6

 ABD2CA

 C0D2CF

 D5D2D3

 EAD2D7

# Harmonies

## Analogous

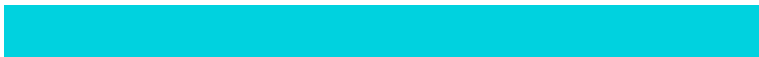
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



7CCD86



2DD2B2



00D2DF

# Triad

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



2DD2B2



B4B3FF



FFA674

# Complementary

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



2DD2B2



D22D4D

# 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.



FF9A98



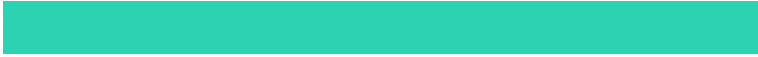
2DD2B2



ECA2EF

# Square

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



2DD2B2



62C2FF



FF98C5



DEB661

# Rectangle

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



2DD2B2



00CFF9



FF98C5



FFA17E

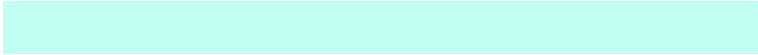


# Sweetspot

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



2DD2B2



C2FFF3



4ED22D



5B8078



000000



808080



# Same Dimension

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



2DD2B2



0FFFD1



2DA0D2



5E6967



00A888



002921



# Inverse Universe

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



D22D4D



FF0F3E



D25F2D



695E60



A80021

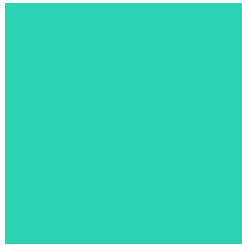


290008



# Previews

## White Background



This preview shows how the Hex color 2DD2B2 looks on a white background.

## Color Contrast Check

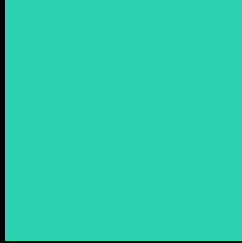
Large Text (above 18pt) WCAG AA × Fail

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 2DD2B2 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

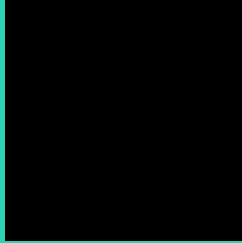
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

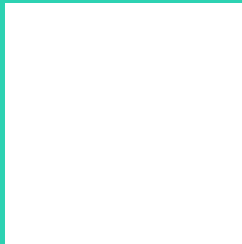
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 2DD2B2 Background



This preview shows how black text looks on a background with the Hex color 2DD2B2.

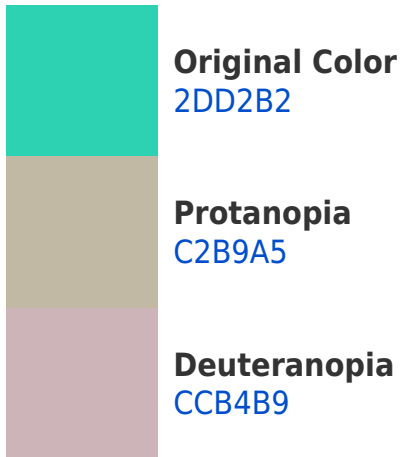


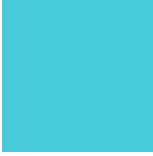
This preview shows how white text looks on a background with the Hex color 2DD2B2.

# 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



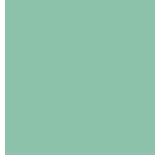


**Tritanopia**  
48CCDD

# Trichromacy



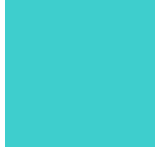
**Original Color**  
2DD2B2



**Protanomaly**  
8CC2AA



**Deuteranomaly**  
92BFB6

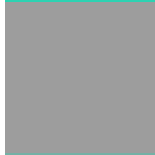


**Tritanomaly**  
3ECECD

# Monochromacy



**Original Color**  
2DD2B2



**Achromatopsia**  
9D9D9D



**Achromatomaly**  
74B0A5

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2DD2B2 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 #2DD2B2 looks like.

```
.text, #text, p{  
    color:#2DD2B2  
}
```

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 #2DD2B2 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2DD2B2
}
```

## Border

The CSS property to change the border of an element to Hex 2DD2B2 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
#2DD2B2 }
```

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

```
.border{ border-color:#2DD2B2 }
```

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

Here you see how a box with a 4 pixel #2DD2B2 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2DD2B2; -webkit-box-shadow:4px 4px  
4px 4px #2DD2B2; box-shadow:4px 4px 4px  
4px #2DD2B2 }
```

# Background

The CSS property to change the background color of an element to Hex 2DD2B2 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2DD2B2 }
```

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

```
.background{ background-color:#2DD2B2 }
```

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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