

# Converting Colors

Hex(2DD285)

Have a look what the booklet for  
Hex(2DD285) contains.

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**Color**

**Hex(2DD285)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2DD285
RGB	45, 210, 133
RGB Percent	18%, 82%, 52%
CMY	0.8235, 0.1765, 0.4784
CMYK	0.79, 0.00, 0.37, 0.18
HSL	152°, 65%, 50%
HSV	152°, 79%, 82%
XYZ	28.3624, 48.3445, 30.0269
YIQ	151.8870, -73.6230, -58.9270

# Conversions

## Conversions Part 2

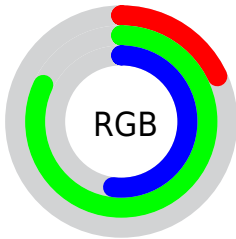
<b>Format</b>	<b>Color</b>
<b>RYB</b>	45, 153, 210
Decimal	3003013
CIELab	75.04, -58.30, 26.79
CIElCh	75, 64.159, 155.322
Yxy	48.3445, 0.2657, 0.4529
Android (android.graphics.Color)	4281193093 (0xFF2DD285)
YUV	151.8870, -9.3113, -93.7399
Hunter-Lab	69.5302, -48.8651, 23.0666

# Details

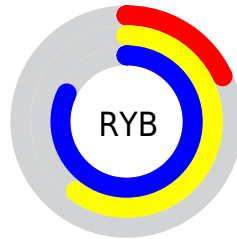
The Hex color **2DD285** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark washed spring green. A complement of this color would be **D22D7A**, and the grayscale version is **989898**.

A 20% lighter version of the original color is **75FFBB**, and **009A53** is the 20% darker color. If you saturate the color by 10%, you get **18D27B**, and if you desaturate by 10%, it is **42D28F**.

# Distribution



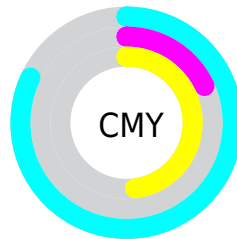
- Red (18%)
- Green (82%)
- Blue (52%)



- Red (18%)
- Yellow (60%)
- Blue (82%)



- Cyan (79%)
- Magenta (0%)
- Yellow (37%)
- Black (18%)



- Cyan (82%)
- Magenta (18%)
- Yellow (48%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2DD285 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 2DD285 by changing the saturation by 10% instead.



 2DD285

 2DD285

FFFFFF

 00B66B

 75FFBB

 009A53

 94FFD7

 007F3B

 B3FFF3

 006524

 D1FFFF

 004B0D

 F0FFFF

 003400

 001A00

 000000

 2DD285

 2DD285

 18D27B

 42D28F

 03D271

 57D299

 00D270

 6CD2A2

 81D2AC

 96D2B6

 ABD2C0

 C0D2CA

 D5D2D3

 EAD2DD

# Harmonies

## Analogous

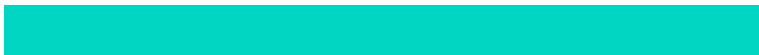
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91C952



2DD285



00D6C2

# Triad

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



2DD285



52BCFF



FF8D78

# Complementary

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



2DD285



D22D7A

# 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.



FF83B1



2DD285



C9A5FF

# Square

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



2DD285



00CCFF



FF8DEB



FFA44B

# Rectangle

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



2DD285



00D5EA



FF8DEB



FF888A

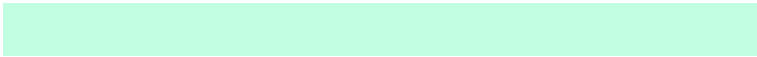


# Sweetspot

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



2DD285



C2FFE2



7AD22D



5B806E



000000



808080



# Same Dimension

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



2DD285



0FFF8F



2DCDD2



5E6964



00A85A



002916



# Inverse Universe

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



D22D7A



FF0F7F



D2332D



695E63



A8004F

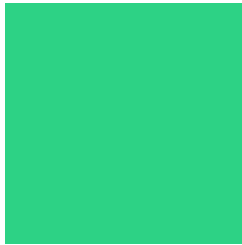


290013



# Previews

## White Background



This preview shows how the Hex color 2DD285 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 2DD285 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

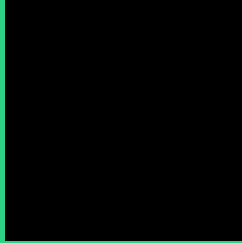
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 2DD285 Background



This preview shows how black text looks on a background with the Hex color 2DD285.

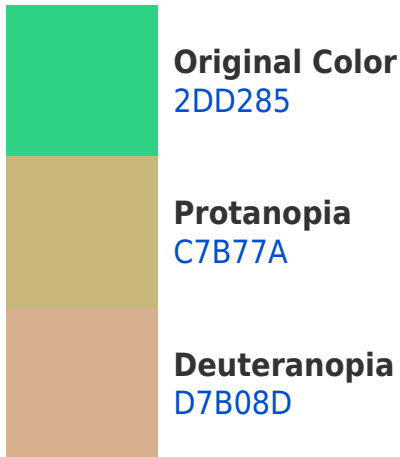


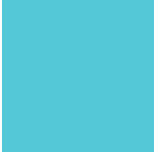
This preview shows how white text looks on a background with the Hex color 2DD285.

# 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**  
55C8D8

# Trichromacy



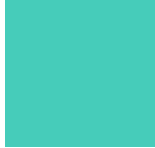
**Original Color**  
2DD285



**Protanomaly**  
8FC17E



**Deuteranomaly**  
99BC8A



**Tritanomaly**  
46CCBA

# Monochromacy



**Original Color**  
2DD285



**Achromatopsia**  
989898



**Achromatomaly**  
71AD91

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2DD285 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 #2DD285 looks like.

```
.text, #text, p{  
    color:#2DD285  
}
```

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 #2DD285 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2DD285
}
```

## Border

The CSS property to change the border of an element to Hex 2DD285 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
#2DD285 }
```

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

```
.border{ border-color:#2DD285 }
```

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

Here you see how a box with a 4 pixel #2DD285 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2DD285; -webkit-box-shadow:4px 4px  
4px 4px #2DD285; box-shadow:4px 4px 4px  
4px #2DD285 }
```

# Background

The CSS property to change the background color of an element to Hex 2DD285 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2DD285 }
```

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

```
.background{ background-color:#2DD285 }
```

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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