

# Converting Colors

Hex(2DD269)

Have a look what the booklet for  
Hex(2DD269) contains.

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**Color**

**Hex(2DD269)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2DD269
RGB	45, 210, 105
RGB Percent	18%, 82%, 41%
CMY	0.8235, 0.1765, 0.5882
CMYK	0.79, 0.00, 0.50, 0.18
HSL	142°, 65%, 50%
HSV	142°, 79%, 82%
XYZ	26.6786, 47.6710, 21.1599
YIQ	148.6950, -64.6350, -67.6350

# Conversions

## Conversions Part 2

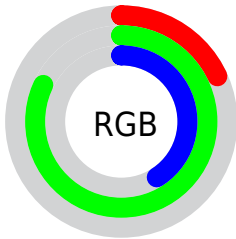
Format	Color
<a href="#">RYB</a>	<a href="#">45, 166, 210</a>
Decimal	<a href="#">3002985</a>
CIELab	<a href="#">74.62, -63.22, 40.39</a>
CIELCh	<a href="#">75, 75.017, 147.425</a>
Yxy	<a href="#">47.6710, 0.2793, 0.4991</a>
Android (android.graphics.Color)	<a href="#">4281193065 (0xFF2DD269)</a>
YUV	<a href="#">148.6950, -21.5416, -90.9405</a>
Hunter-Lab	<a href="#">69.0442, -51.8552, 30.1604</a>

# Details

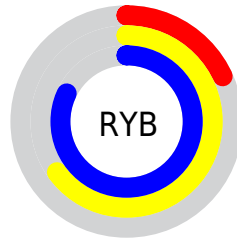
The Hex color **2DD269** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark washed spring green. A complement of this color would be **D22D96**, and the grayscale version is **959595**.

A 20% lighter version of the original color is **76FF9E**, and **009A36** is the 20% darker color. If you saturate the color by 10%, you get **18D25C**, and if you desaturate by 10%, it is **42D276**.

# Distribution



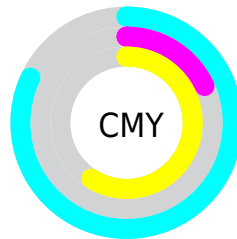
- Red (18%)
- Green (82%)
- Blue (41%)



- Red (18%)
- Yellow (65%)
- Blue (82%)



- Cyan (79%)
- Magenta (0%)
- Yellow (50%)
- Black (18%)



- Cyan (82%)
- Magenta (18%)
- Yellow (59%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2DD269 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 2DD269 by changing the saturation by 10% instead.



 2DD269

 2DD269

FFFFFF

 00B64F

 76FF9E

 009A36

 95FFB9

 007F1D

 B3FFD6

 006500

 D2FFF2

 004B00

 F1FFFF

 003400

 001900

 000000

 2DD269

 2DD269

■ 18D25C

■ 42D276

■ 03D24E

■ 57D284

■ 00D24C

■ 6CD291

■ 81D29E

■ 96D2AC

■ ABD2B9

■ C0D2C7

■ D5D2D4

■ EAD2E1

# Harmonies

## Analogous

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



9CC62C



2DD269



00D7AF

# Triad

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



2DD269



00C1FF



FF7C7C

# Complementary

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



2DD269



D22D96

# 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.



FF74C1



2DD269



ACA8FF

# Square

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



2DD269



00D1FF



FF89FF



FF9741

# Rectangle

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



2DD269



00D8DF



FF89FF



FF7692

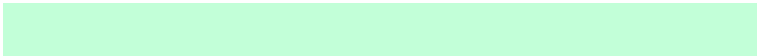


# Sweetspot

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



2DD269



C2FFD8



98D22D



5B8068



000000



808080



# Same Dimension

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



2DD269



0FFF66



2DD2B9



5E6962



00A83D



00290F



# Inverse Universe

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



D22D96



FF0FA8



D22D46



695E65



A8006B



29001A



# Previews

## White Background



This preview shows how the Hex color 2DD269 looks on a white background.

## Color Contrast Check

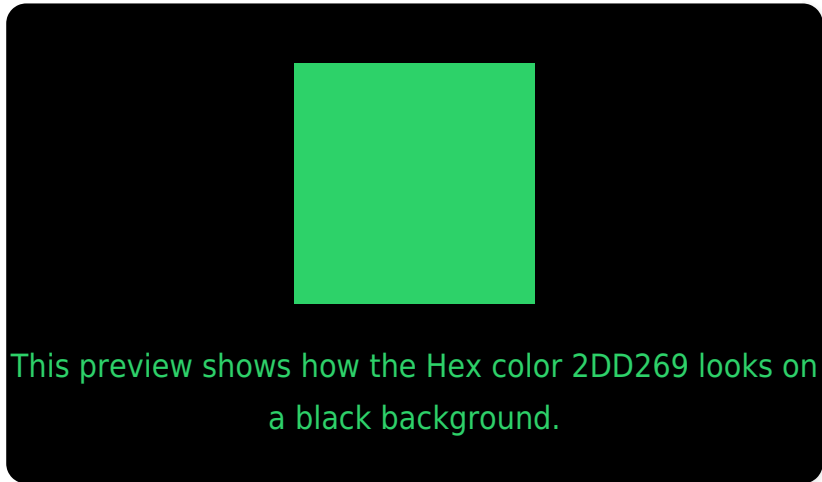
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



## 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 2DD269 Background



This preview shows how black text looks on a background with the Hex color 2DD269.

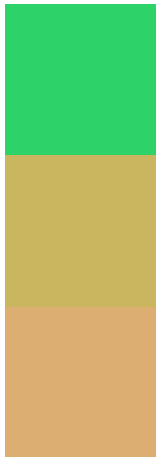


This preview shows how white text looks on a background with the Hex color 2DD269.

# 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](#).

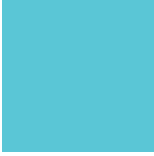
## Dichromacy



**Original Color**  
2DD269

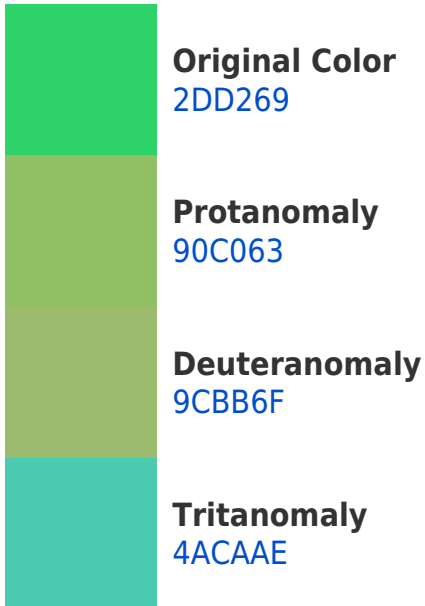
**Protanopia**  
C9B65F

**Deuteranopia**  
DCAE72

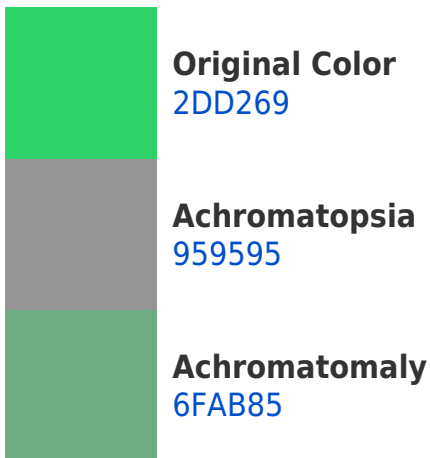


**Tritanopia**  
5AC6D6

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2DD269 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 #2DD269 looks like.

```
.text, #text, p{  
    color:#2DD269  
}
```

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 #2DD269 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2DD269
}
```

## Border

The CSS property to change the border of an element to Hex 2DD269 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
#2DD269 }
```

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

```
.border{ border-color:#2DD269 }
```

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

Here you see how a box with a 4 pixel #2DD269 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2DD269; -webkit-box-shadow:4px 4px  
4px 4px #2DD269; box-shadow:4px 4px 4px  
4px #2DD269 }
```

# Background

The CSS property to change the background color of an element to Hex 2DD269 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2DD269 }
```

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

```
.background{ background-color:#2DD269 }
```

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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