

# Converting Colors

Hex(2BD689)

Have a look what the booklet for  
Hex(2BD689) contains.

<b>Hex(2BD689)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

**Color**

**Hex(2BD689)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2BD689
RGB	43, 214, 137
RGB Percent	17%, 84%, 54%
CMY	0.8314, 0.1608, 0.4627
CMYK	0.80, 0.00, 0.36, 0.16
HSL	153°, 68%, 50%
HSV	153°, 80%, 84%
XYZ	29.5582, 50.4129, 31.8397
YIQ	154.0930, -77.1990, -60.1990

# Conversions

## Conversions Part 2

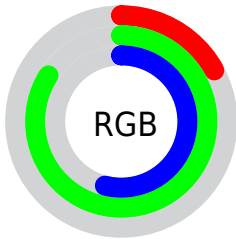
<b>Format</b>	<b>Color</b>
<b>RYB</b>	43, 153, 214
Decimal	2872969
CIELab	76.32, -59.19, 26.43
CIElCh	76, 64.818, 155.940
Yxy	50.4129, 0.2644, 0.4509
Android (android.graphics.Color)	4281063049 (0xFF2BD689)
YUV	154.0930, -8.4268, -97.4286
Hunter-Lab	71.0020, -49.9439, 23.1138

# Details

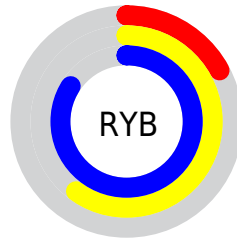
The Hex color **2BD689** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark washed spring green. A complement of this color would be **D62B78**, and the grayscale version is **9A9A9A**.

A 20% lighter version of the original color is **75FFBF**, and **009E56** is the 20% darker color. If you saturate the color by 10%, you get **16D67F**, and if you desaturate by 10%, it is **40D693**.

# Distribution



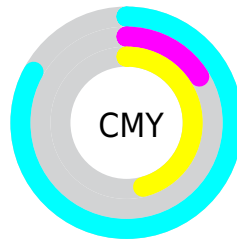
- Red (17%)
- Green (84%)
- Blue (54%)



- Red (17%)
- Yellow (60%)
- Blue (84%)



- Cyan (80%)
- Magenta (0%)
- Yellow (36%)
- Black (16%)



- Cyan (83%)
- Magenta (16%)
- Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2BD689 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 2BD689 by changing the saturation by 10% instead.



 2BD689

 2BD689

FFFFFF

 00BA6F

 75FFBF

 009E56

 94FFDB

 00833E

 B3FFF8

 006827

 D2FFFF

 004F10

 F1FFFF

 003700

 001E00

 000000

 2BD689

 2BD689

 16D67F

 40D693

 00D676

 56D69C

 6BD6A6

 81D6B0

 96D6B9

 ABD6C3

 C1D6CC

 D6D6D6

 ECD6E0

# Harmonies

## Analogous

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



93CD55



2BD689



00DAC7

# Triad

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



2BD689



58BFFF



FF9179

# Complementary

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



2BD689



D62B78

# 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.



FF86B3



2BD689



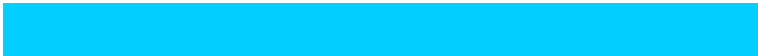
CFA7FF

# Square

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



2BD689



00CFFF



FF90EE



FFA74D

# Rectangle

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



2BD689



00D9EF



FF90EE



FF8B8B

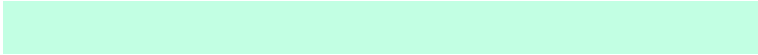


# Sweetspot

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



2BD689



C2FFE3



7BD62B



5B806F



000000



808080



# Same Dimension

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



2BD689



0AFF91



2BD0D6



606B66



00AB5E



002B18



# Inverse Universe

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



D62B78



FF0A78



D6312B



6B6065



AB004D

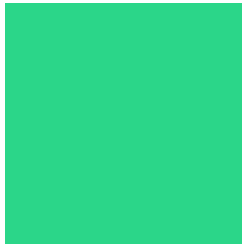


2B0014



# Previews

## White Background



This preview shows how the Hex color 2BD689 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 2BD689 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

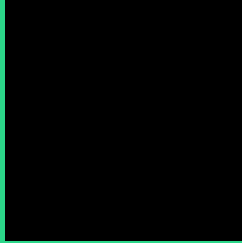
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 2BD689 Background



This preview shows how black text looks on a background with the Hex color 2BD689.

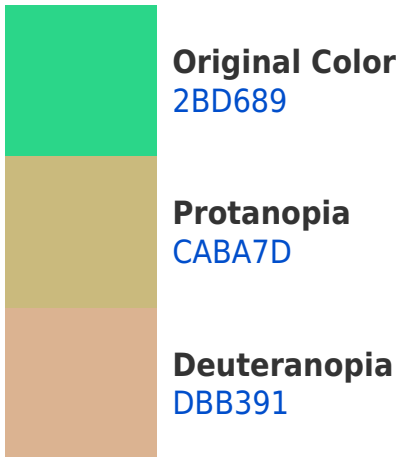


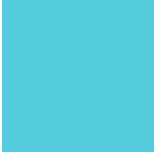
This preview shows how white text looks on a background with the Hex color 2BD689.

# 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





# Trichromacy



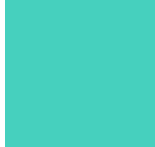
**Original Color**  
2BD689



**Protanomaly**  
90C481



**Deuteranomaly**  
9BC08E



**Tritanomaly**  
46D0BE

# Monochromacy



**Original Color**  
2BD689



**Achromatopsia**  
9A9A9A



**Achromatomaly**  
72B094

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2BD689 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 #2BD689 looks like.

```
.text, #text, p{  
    color:#2BD689  
}
```

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 #2BD689 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2BD689
}
```

## Border

The CSS property to change the border of an element to Hex 2BD689 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
#2BD689 }
```

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

```
.border{ border-color:#2BD689 }
```

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

Here you see how a box with a 4 pixel #2BD689 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2BD689; -webkit-box-shadow:4px 4px  
4px 4px #2BD689; box-shadow:4px 4px 4px  
4px #2BD689 }
```

# Background

The CSS property to change the background color of an element to Hex 2BD689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2BD689 }
```

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

```
.background{ background-color:#2BD689 }
```

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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