

# Converting Colors

Hex(2BD496)

Have a look what the booklet for  
Hex(2BD496) contains.

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**Color**

**Hex(2BD496)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2BD496
RGB	43, 212, 150
RGB Percent	17%, 83%, 59%
CMY	0.8314, 0.1686, 0.4118
CMYK	0.80, 0.00, 0.29, 0.17
HSL	158°, 66%, 50%
HSV	158°, 80%, 83%
XYZ	30.0448, 49.8026, 36.8835
YIQ	154.4010, -80.8220, -55.1100

# Conversions

## Conversions Part 2

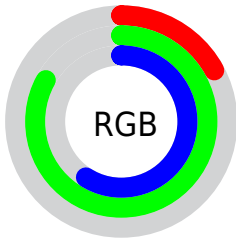
<b>Format</b>	<b>Color</b>
<b>RYB</b>	43, 146, 212
Decimal	2872470
CIELab	75.95, -55.73, 19.11
CIELCh	76, 58.912, 161.069
Yxy	49.8026, 0.2574, 0.4266
Android (android.graphics.Color)	4281062550 (0xFF2BD496)
YUV	154.4010, -2.1697, -97.6987
Hunter-Lab	70.5709, -47.5048, 18.4121

# Details

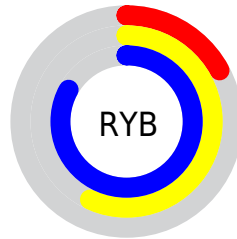
The Hex color **2BD496** is a dark color, and the websafe version is hex **00CC99**. The color can be described as middle washed spring green. A complement of this color would be **D42B69**, and the grayscale version is **9A9A9A**.

A 20% lighter version of the original color is **75FFCC**, and **009C63** is the 20% darker color. If you saturate the color by 10%, you get **16D48E**, and if you desaturate by 10%, it is **40D49E**.

# Distribution



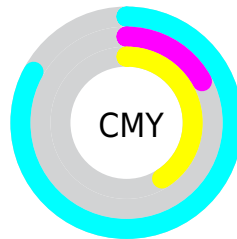
- Red (17%)
- Green (83%)
- Blue (59%)



- Red (17%)
- Yellow (57%)
- Blue (83%)



- Cyan (80%)
- Magenta (0%)
- Yellow (29%)
- Black (17%)



- Cyan (83%)
- Magenta (17%)
- Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2BD496 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 2BD496 by changing the saturation by 10% instead.



 2BD496

 2BD496

FFFFFF

 00B87C

 75FFCC

 009C63

 94FFE9

 00814B

 B3FFFF

 006734

 D2FFFF

 004D1E

 F0FFFF

 003607

 001D00

 000000

 2BD496

 2BD496

■ 16D48E

■ 40D49E

■ 01D486

■ 55D4A6

■ 00D486

■ 6BD4AD

■ 80D4B5

■ 95D4BD

■ AAD4C5

■ BFD4CC

■ D5D4D4

■ EAD4DC

# Harmonies

## Analogous

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



8CCC66



2BD496



00D7CE

# Triad

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



2BD496



80BAFF



FF9876

# Complementary

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



2BD496



D42B69

# 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.



FF8CA9



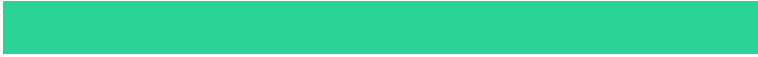
2BD496



D9A5FF

# Square

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



2BD496



00CBFF



FF91E0



F7AC52

# Rectangle

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



2BD496



00D5F2



FF91E0



FF9286

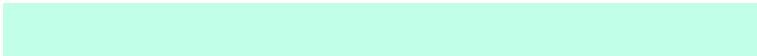


# Sweetspot

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



2BD496



C2FFE9



6CD42B



5B8072



000000



808080



# Same Dimension

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



2BD496



0AFFA5



2BC0D4



606B67



00AB6C



002B1B



# Inverse Universe

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



D42B69



FF0A64



D43F2B



6B6064



AB003F

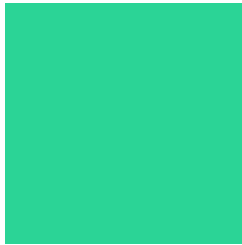


2B0010



# Previews

## White Background



This preview shows how the Hex color 2BD496 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 2BD496 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

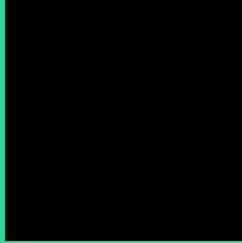
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 2BD496 Background



This preview shows how black text looks on a background with the Hex color 2BD496.

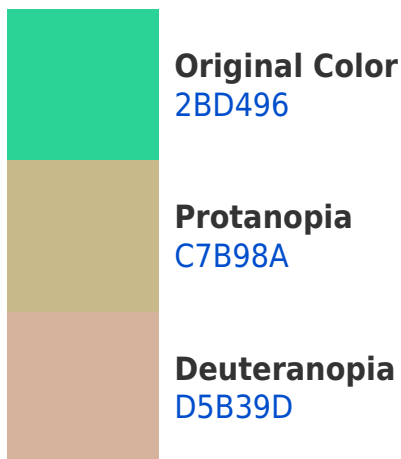


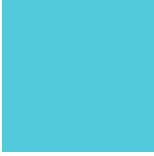
This preview shows how white text looks on a background with the Hex color 2BD496.

# 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



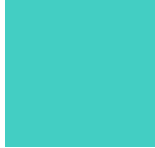
**Original Color**  
2BD496



**Protanomaly**  
8EC38E



**Deuteranomaly**  
97BF9A



**Tritanomaly**  
43CEC3

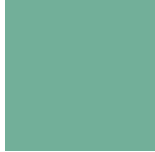
# Monochromacy



**Original Color**  
2BD496



**Achromatopsia**  
9A9A9A



**Achromatomaly**  
72AF99

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2BD496 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 #2BD496 looks like.

```
.text, #text, p{  
    color:#2BD496  
}
```

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 #2BD496 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2BD496
}
```

## Border

The CSS property to change the border of an element to Hex 2BD496 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
#2BD496 }
```

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

```
.border{ border-color:#2BD496 }
```

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

Here you see how a box with a 4 pixel #2BD496 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2BD496; -webkit-box-shadow:4px 4px  
4px 4px #2BD496; box-shadow:4px 4px 4px  
4px #2BD496 }
```

# Background

The CSS property to change the background color of an element to Hex 2BD496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2BD496 }
```

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

```
.background{ background-color:#2BD496 }
```

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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