

# Converting Colors

Hex(2DB72B)

Have a look what the booklet for  
Hex(2DB72B) contains.

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**Color**

**Hex(2DB72B)**

# Conversions

## Conversions Part 1

Format	Color
Hex	2DB72B
RGB	45, 183, 43
RGB Percent	18%, 72%, 17%
CMY	0.8235, 0.2824, 0.8314
CMYK	0.75, 0.00, 0.77, 0.28
HSL	119°, 62%, 44%
HSV	119°, 77%, 72%
XYZ	18.4517, 34.5993, 7.9913
YIQ	125.7780, -37.3080, -72.7960

# Conversions

## Conversions Part 2

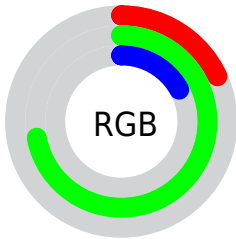
Format	Color
<a href="#">RYB</a>	<a href="#">43, 183, 181</a>
Decimal	<a href="#">2996011</a>
CIELab	<a href="#">65.44, -61.50, 56.67</a>
CIElCh	<a href="#">65, 83.629, 137.341</a>
Yxy	<a href="#">34.5993, 0.3023, 0.5668</a>
Android (android.graphics.Color)	<a href="#">4281186091</a> ( <a href="#">0xFF2DB72B</a> )
YUV	<a href="#">125.7780, -40.8096, -70.8423</a>
Hunter-Lab	<a href="#">58.8212, -46.9430, 33.1198</a>

# Details

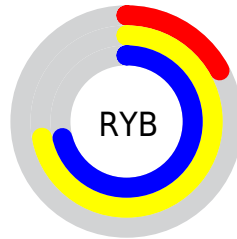
The Hex color **2DB72B** is a dark color, and the websafe version is hex **33CC33**. A complement of this color would be **B52BB7**, and the grayscale version is **7E7E7E**.

A 20% lighter version of the original color is **72F063**, and **008000** is the 20% darker color. If you saturate the color by 10%, you get **1BB719**, and if you desaturate by 10%, it is **3FB73D**.

# Distribution



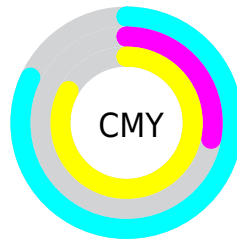
- Red (18%)
- Green (72%)
- Blue (17%)



- Red (17%)
- Yellow (72%)
- Blue (71%)



- Cyan (75%)
- Magenta (0%)
- Yellow (77%)
- Black (28%)



- Cyan (82%)
- Magenta (28%)
- Yellow (83%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 2DB72B 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 2DB72B by changing the saturation by 10% instead.



 2DB72B

 2DB72B

FFFFFF

 009B03

 72F063

 008000

 90FF7E

 006600

 AEFF99

 004D00

 CCFFB5

 003500

 EAFFD2

 001C00

 FFFFEF

 000000

 2DB72B

 2DB72B

 1BB719

 3FB73D

■ 09B706

■ 51B750

■ 03B700

■ 63B762

■ 75B774

■ 87B786

■ 99B799

■ ABB7AB

■ BDB7BD

■ CFB7D0

# Harmonies

## Analogous

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



97A900



2DB72B



00BE7B

# Triad

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



2DB72B



00B1FF



FF4A77

# Complementary

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



2DB72B



B52BB7

# 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.



FF4DC2



2DB72B



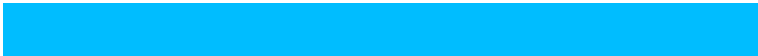
4199FF

# Square

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



2DB72B



00BDFE



D774FF



FF6D2F

# Rectangle

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



2DB72B



00C0B0



D774FF



FF4590

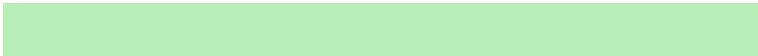


# Sweetspot

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



2DB72B



B7EDB7



B7B52B



577856



F7F7F7



787878



# Same Dimension

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



2DB72B



16ED13



2BB76F



535C53



029C00



001C00



# Inverse Universe

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



B52BB7



EA13ED



B72B73



5C535C



99009C



1C001C



# Previews

## White Background



This preview shows how the Hex color 2DB72B looks on a white background.

## Color Contrast Check

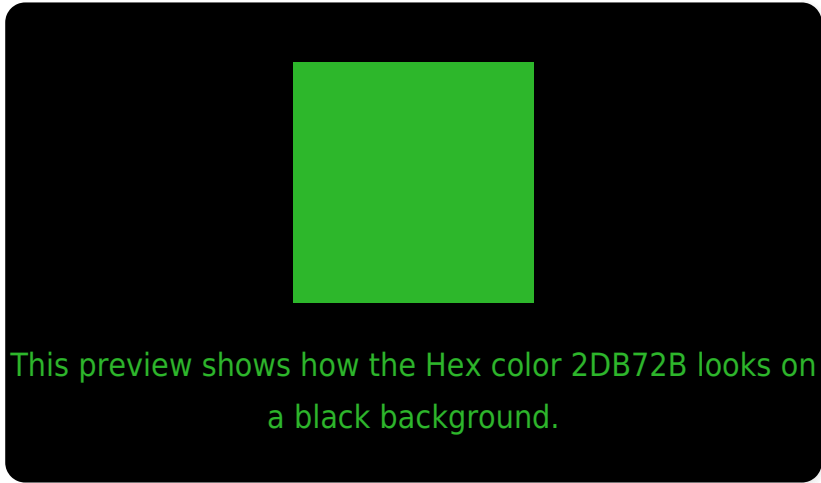
Large Text (above 18pt) WCAG AA × Fail

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 2DB72B Background



This preview shows how black text looks on a background with the Hex color 2DB72B.

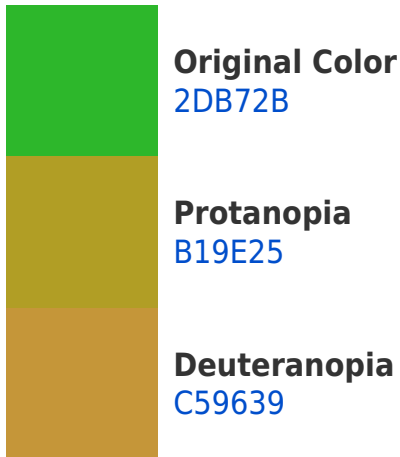


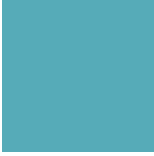
This preview shows how white text looks on a background with the Hex color 2DB72B.

# 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](#).

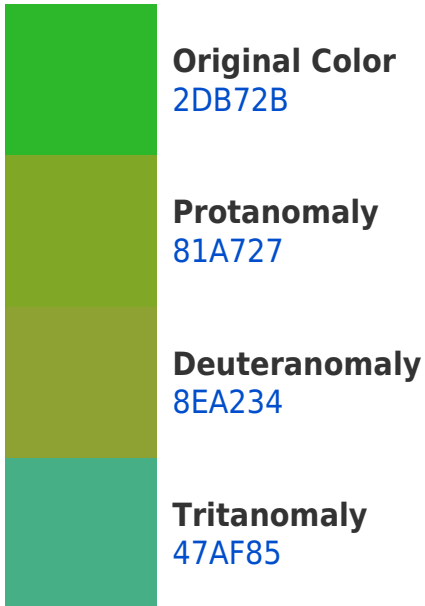
## Dichromacy



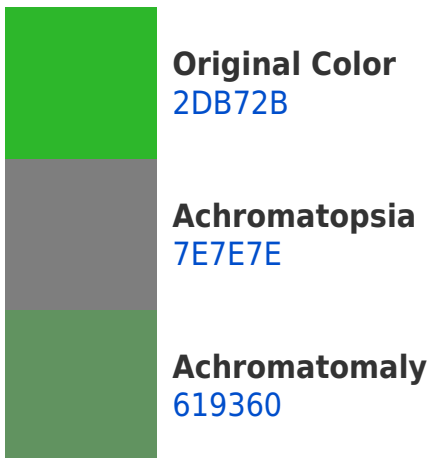


**Tritanopia**  
56ABB8

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 2DB72B 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 #2DB72B looks like.

```
.text, #text, p{  
    color:#2DB72B  
}
```

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 #2DB72B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #2DB72B
}
```

## Border

The CSS property to change the border of an element to Hex 2DB72B 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
#2DB72B }
```

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

```
.border{ border-color:#2DB72B }
```

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

Here you see how a box with a 4 pixel #2DB72B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #2DB72B; -webkit-box-shadow:4px 4px  
4px 4px #2DB72B; box-shadow:4px 4px 4px  
4px #2DB72B }
```

# Background

The CSS property to change the background color of an element to Hex 2DB72B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#2DB72B }
```

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

```
.background{ background-color:#2DB72B }
```

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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