

# Converting Colors

Hex(42D75B)

Have a look what the booklet for  
Hex(42D75B) contains.

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# Color

Hex(42D75B)

# Conversions

## Conversions Part 1

Format	Color
Hex	42D75B
RGB	66, 215, 91
RGB Percent	26%, 84%, 36%
CMY	0.7412, 0.1569, 0.6431
CMYK	0.69, 0.00, 0.58, 0.16
HSL	130°, 65%, 55%
HSV	130°, 69%, 84%
XYZ	28.4355, 50.5145, 18.1491
YIQ	156.3130, -49.0000, -70.1520

# Conversions

## Conversions Part 2

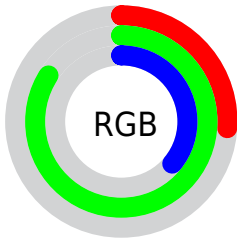
Format	Color
<a href="#">RYB</a>	<a href="#">66, 194, 215</a>
Decimal	<a href="#">4380507</a>
CIELab	<a href="#">76.38, -63.80, 49.21</a>
CIELCh	<a href="#">76, 80.574, 142.353</a>
Yxy	<a href="#">50.5145, 0.2929, 0.5202</a>
Android (android.graphics.Color)	<a href="#">4282570587 (0xFF42D75B)</a>
YUV	<a href="#">156.3130, -32.1993, -79.2045</a>
Hunter-Lab	<a href="#">71.0735, -52.9633, 34.6114</a>

# Details

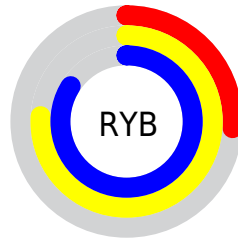
The Hex color **42D75B** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted green. A complement of this color would be **D742BE**, and the grayscale version is **9D9D9D**.

A 20% lighter version of the original color is **84FF90**, and **009F26** is the 20% darker color. If you saturate the color by 10%, you get **2DD749**, and if you desaturate by 10%, it is **58D76D**.

# Distribution



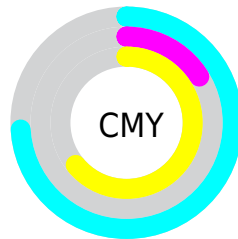
- Red (26%)
- Green (84%)
- Blue (36%)



- Red (26%)
- Yellow (76%)
- Blue (84%)



- Cyan (69%)
- Magenta (0%)
- Yellow (58%)
- Black (16%)



- Cyan (74%)
- Magenta (16%)
- Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 42D75B 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 42D75B by changing the saturation by 10% instead.



 42D75B

 42D75B

FFFFFF

 0DDB41

 84FF90

 009F26

 A3FFAC

 008402

 C1FFC8

 006900

 E0FFE5

 004F00

FEFFFF

 003800

 001E00

 000000

 42D75B

 42D75B

 2DD749

 58D76D

 17D737

 6DD77F

 02D725

 83D791

 00D724

 98D7A3

 AED7B4

 C3D7C6

 D9D7D8

 EED7EA

 FFD7FC

# Harmonies

## Analogous

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



ABC911



42D75B



00DEA6

# Triad

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



42D75B



00CBFF



FF7688

# Complementary

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



42D75B



D742BE

# 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.



FF73D3



42D75B



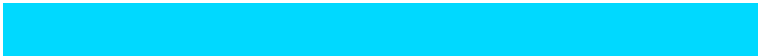
95B1FF

# Square

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



42D75B



00D9FF



FF8EFF



FF9345

# Rectangle

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



42D75B



00DFDA



FF8EFF



FF71A1

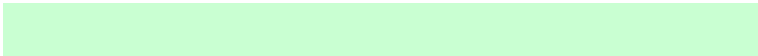


# Sweetspot

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



42D75B



C9FFD2



BED742



608065



000000



808080



# Same Dimension

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



42D75B



2BFF4F



42D7A5



606B62



00AB1D



002B07



# Inverse Universe

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



D742BE



FF2BDB



D74274



6B6069



AB008E

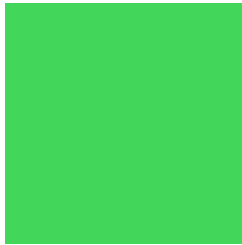


2B0024



# Previews

## White Background



This preview shows how the Hex color 42D75B 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 42D75B 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

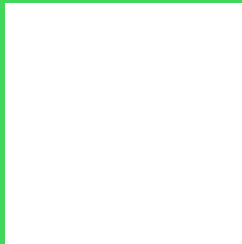
If you want to check with other color combinations, try the [Color Contrast Checker](#).



## Hex 42D75B Background



This preview shows how black text looks on a background with the Hex color 42D75B.

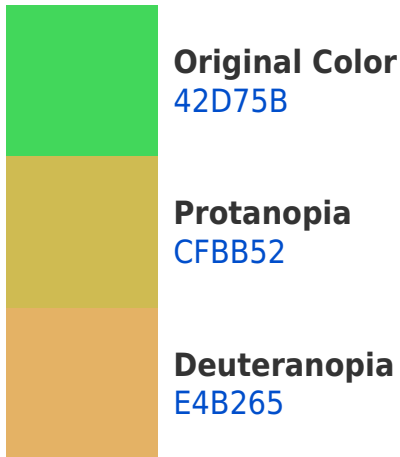


This preview shows how white text looks on a background with the Hex color 42D75B.

# 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**  
42D75B



**Protanomaly**  
9CC555



**Deuteranomaly**  
A9BF61



**Tritanomaly**  
5ACFAC

# Monochromacy



**Original Color**  
42D75B



**Achromatopsia**  
9C9C9C



**Achromatomaly**  
7BB184

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 42D75B 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 #42D75B looks like.

```
.text, #text, p{  
    color:#42D75B  
}
```

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 #42D75B colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #42D75B
}
```

## Border

The CSS property to change the border of an element to Hex 42D75B 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
#42D75B }
```

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

```
.border{ border-color:#42D75B }
```

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

Here you see how a box with a 4 pixel #42D75B colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #42D75B; -webkit-box-shadow:4px 4px  
4px 4px #42D75B; box-shadow:4px 4px 4px  
4px #42D75B }
```

# Background

The CSS property to change the background color of an element to Hex 42D75B is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#42D75B }
```

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

```
.background{ background-color:#42D75B }
```

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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