

# Converting Colors

Hex(42BE45)

Have a look what the booklet for  
Hex(42BE45) contains.

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**Color**

**Hex(42BE45)**

# Conversions

## Conversions Part 1

Format	Color
Hex	42BE45
RGB	66, 190, 69
RGB Percent	26%, 75%, 27%
CMY	0.7412, 0.2549, 0.7294
CMYK	0.65, 0.00, 0.64, 0.25
HSL	121°, 49%, 50%
HSV	121°, 65%, 75%
XYZ	21.7344, 38.4148, 11.8995
YIQ	139.1300, -35.0630, -63.9190

# Conversions

## Conversions Part 2

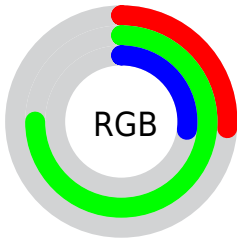
Format	Color
<a href="#">RYB</a>	<a href="#">66, 187, 190</a>
Decimal	<a href="#">4374085</a>
CIELab	<a href="#">68.33, -57.72, 49.77</a>
CIELCh	<a href="#">68, 76.210, 139.230</a>
Yxy	<a href="#">38.4148, 0.3017, 0.5332</a>
Android (android.graphics.Color)	<a href="#">4282564165</a> ( <a href="#">0xFF42BE45</a> )
YUV	<a href="#">139.1300, -34.5741, -64.1350</a>
Hunter-Lab	<a href="#">61.9797, -45.8699, 32.0027</a>

# Details

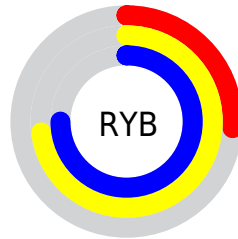
The Hex color **42BE45** is a dark color, and the websafe version is hex **33CC66**. A complement of this color would be **BE42BB**, and the grayscale version is **8B8B8B**.

A 20% lighter version of the original color is **80F77A**, and **008708** is the 20% darker color. If you saturate the color by 10%, you get **2FBE32**, and if you desaturate by 10%, it is **55BE58**.

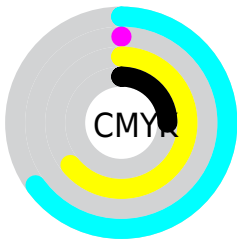
# Distribution



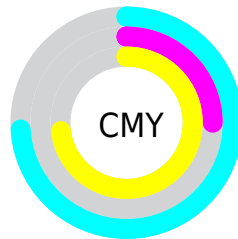
- Red (26%)
- Green (75%)
- Blue (27%)



- Red (26%)
- Yellow (73%)
- Blue (75%)



- Cyan (65%)
- Magenta (0%)
- Yellow (64%)
- Black (25%)



- Cyan (74%)
- Magenta (25%)
- Yellow (73%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 42BE45 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 42BE45 by changing the saturation by 10% instead.



 42BE45

 42BE45

FFFFFF

 19A22A

 80F77A

 008708

 9EFF95

 006D00

 BBFFB0

 005300

 D9FFCD

 003B00

 F7FFE9

 002400

 000000

 42BE45

 42BE45

 2FBE32

 55BE58

 1CBE20

 68BE6A

 09BE0D

 7BBE7D

 00BE05

 8EBE8F

 A1BEA2

 B4BEB4

 C7BEC7

 DABED9

 EDBEEC

# Harmonies

## Analogous

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



9DB100



42BE45



00C58B

# Triad

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



42BE45



00B6FF



FF627E

# Complementary

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



42BE45



BE42BB

# 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.



FF62C2



42BE45



6F9FFF

# Square

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



42BE45



00C2FF



E07FFF



FF7D3E

# Rectangle

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



42BE45



00C6BB



E07FFF



FF5E94

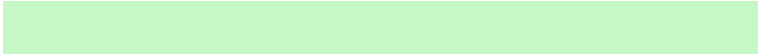


# Sweetspot

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



42BE45



C6F7C7



BCBE42



5F7D60



FCFCFC



7D7D7D



# Same Dimension

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



42BE45



36F73B



42BE82



555E55



009E04



001F01



# Inverse Universe

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



BE42BB



F736F3



BE427E



5E555E



9E009A



1F001E



# Previews

## White Background



This preview shows how the Hex color 42BE45 looks on a white background.

## Color Contrast Check

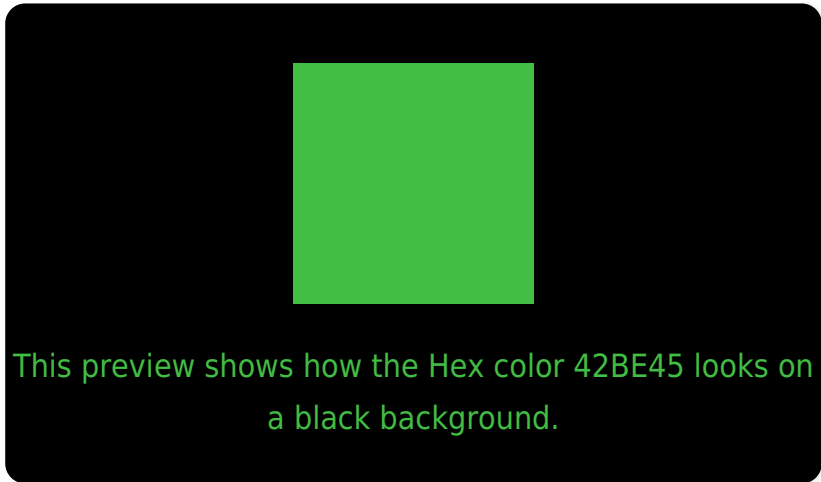
Large Text (above 18pt) WCAG AA × Fail

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

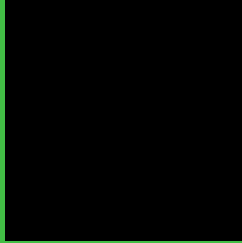
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 42BE45 Background



This preview shows how black text looks on a background with the Hex color 42BE45.

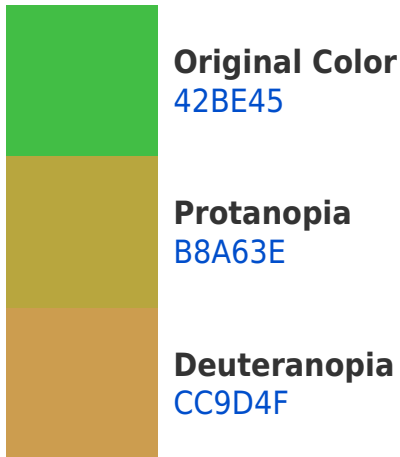


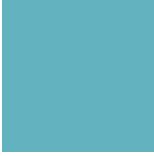
This preview shows how white text looks on a background with the Hex color 42BE45.

# 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**  
62B2C0

# Trichromacy



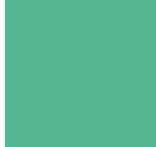
**Original Color**  
42BE45



**Protanomaly**  
8DAF41



**Deuteranomaly**  
9AA94B



**Tritanomaly**  
56B693

# Monochromacy



**Original Color**  
42BE45



**Achromatopsia**  
8B8B8B



**Achromatomaly**  
709E72

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 42BE45 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 #42BE45 looks like.

```
.text, #text, p{  
    color:#42BE45  
}
```

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 #42BE45 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #42BE45
}
```

## Border

The CSS property to change the border of an element to Hex 42BE45 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
#42BE45 }
```

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

```
.border{ border-color:#42BE45 }
```

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

Here you see how a box with a 4 pixel #42BE45 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #42BE45; -webkit-box-shadow:4px 4px  
4px 4px #42BE45; box-shadow:4px 4px 4px  
4px #42BE45 }
```

# Background

The CSS property to change the background color of an element to Hex 42BE45 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#42BE45 }
```

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

```
.background{ background-color:#42BE45 }
```

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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