

# Converting Colors

Hex(42A722)

Have a look what the booklet for  
Hex(42A722) contains.

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**Color**

**Hex(42A722)**

# Conversions

## Conversions Part 1

Format	Color
Hex	42A722
RGB	66, 167, 34
RGB Percent	26%, 65%, 13%
CMY	0.7412, 0.3451, 0.8667
CMYK	0.60, 0.00, 0.80, 0.35
HSL	106°, 66%, 39%
HSV	106°, 80%, 65%
XYZ	16.3542, 28.9112, 6.2318
YIQ	121.6390, -17.5030, -62.7750

# Conversions

## Conversions Part 2

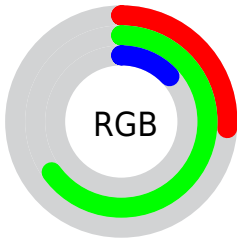
<b>Format</b>	<b>Color</b>
<b>RYB</b>	34, 167, 135
Decimal	4368162
CIELab	60.70, -52.52, 55.17
CIELCh	61, 76.171, 133.588
Yxy	28.9112, 0.3176, 0.5614
Android (android.graphics.Color)	4282558242 (0xFF42A722)
YUV	121.6390, -43.2060, -48.7954
Hunter-Lab	53.7691, -39.8040, 30.7667

# Details

The Hex color **42A722** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **8722A7**, and the grayscale version is **7A7A7A**.

A 20% lighter version of the original color is **7DDF5A**, and **007200** is the 20% darker color. If you saturate the color by 10%, you get **35A711**, and if you desaturate by 10%, it is **4FA733**.

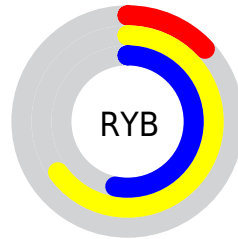
# Distribution



Red (26%)

Green (65%)

Blue (13%)



Red (13%)

Yellow (65%)

Blue (53%)

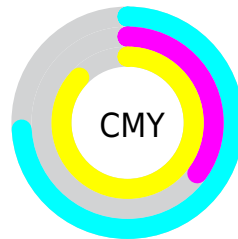


Cyan (60%)

Magenta (0%)

Yellow (80%)

Black (35%)



Cyan (74%)

Magenta (35%)

Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 42A722 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 42A722 by changing the saturation by 10% instead.





42A722



42A722

FFFFFF



1E8C00



7DDF5A



007200



9AFC75



005800



B7FF90



004000



D5FFAC



002A00



F3FFC8



000500



FFFFE5



000000



42A722



42A722



35A711



4FA733

 29A701

 5BA743

 28A700

 68A754

 75A765

 81A775

 8EA786

 9BA797

 A7A7A8

 B4A7B8

# Harmonies

## Analogous

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



949900



42A722



00AE6A

# Triad

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



42A722



00A4FF



FF4777

# Complementary

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



42A722



8722A7

# 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.



F74FBA



42A722



0A90FF

# Square

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



42A722



00AEEE



BB71F5



F86237

# Rectangle

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



42A722



00B099



BB71F5



FF448D



# Sweetspot

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



42A722



B1D9A5



A78622



566E4E



EDEDED



6E6E6E



# Same Dimension

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



42A722



3BD909



22A743



4E544C



249400



051400



# Inverse Universe

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



8722A7



A709D9



A72286



524C54



700094



0F0014



# Previews

## White Background



This preview shows how the Hex color 42A722 looks on a white background.

## Color Contrast Check

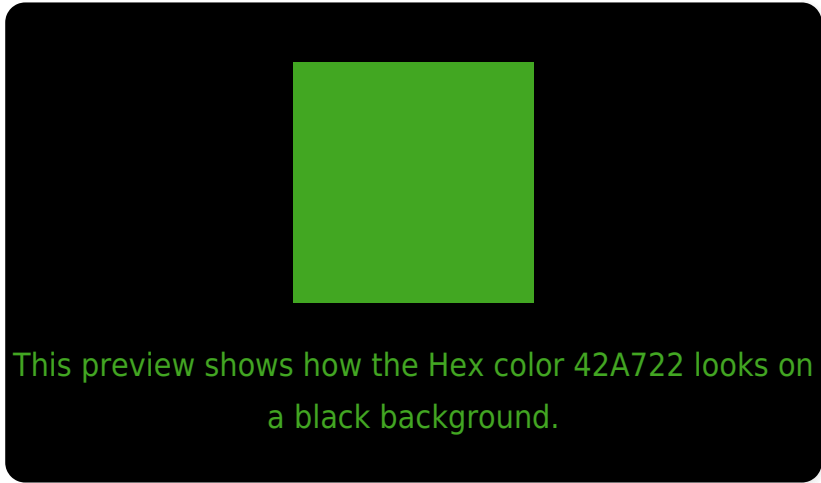
Large Text (above 18pt) WCAG AA ✓ Pass

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

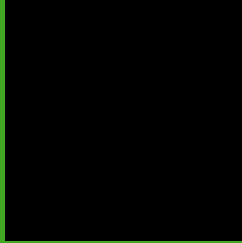
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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



## Hex 42A722 Background



This preview shows how black text looks on a background with the Hex color 42A722.



This preview shows how white text looks on a background with the Hex color 42A722.

# 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



**Original Color**  
42A722

**Protanopia**  
A4921C

**Deuteranopia**  
B68A30



**Tritanopia**  
5D9CA8

# Trichromacy



**Original Color**

42A722



**Protanomaly**

809A1E



**Deuteranomaly**

8C952B



**Tritanomaly**

53A077

# Monochromacy



**Original Color**

42A722



**Achromatopsia**

7A7A7A



**Achromatomaly**

668A5A

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 42A722 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 #42A722 looks like.

```
.text, #text, p{  
  color:#42A722  
}
```

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 #42A722 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #42A722  
}
```

## Border

The CSS property to change the border of an element to Hex 42A722 is called "border". The border property can be set on classes, ids or directly on the HTML element.

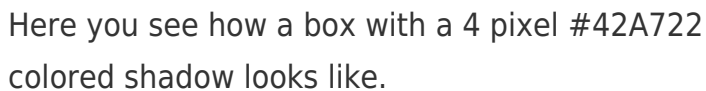
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid  
#42A722 }
```

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

```
.border{ border-color:#42A722 }
```

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



Here you see how a box with a 4 pixel #42A722 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #42A722; -webkit-box-shadow:4px 4px  
4px 4px #42A722; box-shadow:4px 4px 4px  
4px #42A722 }
```

# Background

The CSS property to change the background color of an element to Hex 42A722 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#42A722 }
```

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

```
.background{ background-color:#42A722 }
```

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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