

# Converting Colors

Hex(42A900)

Have a look what the booklet for  
Hex(42A900) contains.

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**Color**

**Hex(42A900)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	42A900
RGB	66, 169, 0
RGB Percent	26%, 66%, 0%
CMY	0.7412, 0.3373, 1.0000
CMYK	0.61, 0.00, 1.00, 0.34
HSL	97°, 100%, 33%
HSV	97°, 100%, 66%
XYZ	16.4347, 29.5342, 4.8345
YIQ	118.9370, -7.1390, -74.3950

# Conversions

## Conversions Part 2

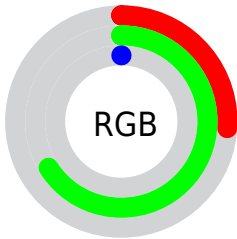
Format	Color
<a href="#">RYB</a>	<a href="#">0, 169, 103</a>
Decimal	<a href="#">4368640</a>
CIELab	<a href="#">61.25, -54.42, 62.37</a>
CIELCh	<a href="#">61, 82.773, 131.106</a>
Yxy	<a href="#">29.5342, 0.3235, 0.5813</a>
Android (android.graphics.Color)	<a href="#">4282558720</a> ( <a href="#">0xFF42A900</a> )
YUV	<a href="#">118.9370, -58.6359, -46.4257</a>
Hunter-Lab	<a href="#">54.3454, -41.1237, 32.7674</a>

# Details

The Hex color **42A900** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **6700A9**, and the grayscale version is **787878**.

A 20% lighter version of the original color is **7FE14A**, and **007400** is the 20% darker color. If you saturate the color by 10%, you get **42A900**, and if you desaturate by 10%, it is **4CA911**.

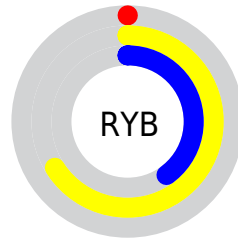
# Distribution



Red (26%)

Green (66%)

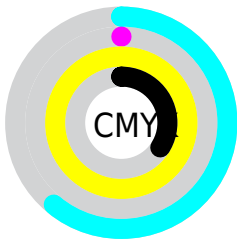
Blue (0%)



Red (0%)

Yellow (66%)

Blue (40%)

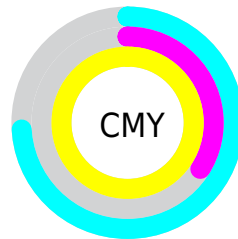


Cyan (61%)

Magenta (0%)

Yellow (100%)

Black (34%)



Cyan (74%)

Magenta (34%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 42A900 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 42A900 by changing the saturation by 10% instead.



 42A900

 42A900


FFFFFF

 1C8E00

 7FE14A

 007400

 9CFE66

 005A00

 B9FF81

 004100

 D7FF9D

 002B00

 F5FFBA

 000900

 FFFFD6

 000000

 FFFFF4

 42A900

 4CA911

 57A922

 61A933

 6BA944

 76A954

 80A965

 8AA976

 94A987

 9FA998

# Harmonies

## Analogous

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



9A9900



42A900



00B161

# Triad

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



42A900



00A9FF



FF387C

# Complementary

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



42A900



6700A9

# 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.



FD48C5



42A900



0094FF

# Square

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



42A900



00B2F3



B772FF



FF5A35

# Rectangle

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



42A900



00B395



B772FF



FF3694



# Sweetspot

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



42A900



B3DB9A



A96500



566E46



EDEDED



6E6E6E



# Same Dimension

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



42A900



56DB00



00A911



4F544C



3A9400



081400



# Inverse Universe

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



6700A9



8600DB



A90098



514C54



5A0094

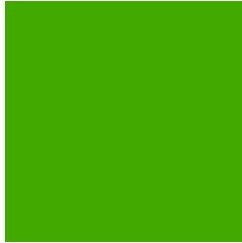


0C0014



# Previews

## White Background



This preview shows how the Hex color 42A900 looks on a white background.

## Color Contrast Check

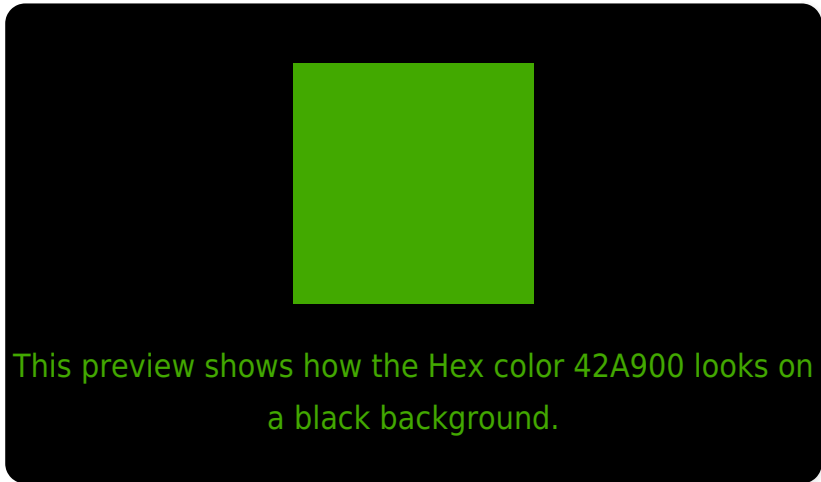
Large Text (above 18pt) WCAG AA ✓ Pass

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 42A900 Background



This preview shows how black text looks on a background with the Hex color 42A900.



This preview shows how white text looks on a background with the Hex color 42A900.

# 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**  
42A900

**Protanopia**  
A69300

**Deuteranopia**  
B98B23



**Tritanopia**  
5E9DAA

# Trichromacy



**Original Color**  
42A900



**Protanomaly**  
829B00



**Deuteranomaly**  
8E9616



**Tritanomaly**  
54A16C

# Monochromacy



**Original Color**  
42A900



**Achromatopsia**  
777777



**Achromatomaly**  
64894C

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 42A900 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 #42A900 looks like.

```
.text, #text, p{  
    color:#42A900  
}
```

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 #42A900 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #42A900
}
```

## Border

The CSS property to change the border of an element to Hex 42A900 is called "border". The border property can be set on classes, ids or directly on the HTML element.

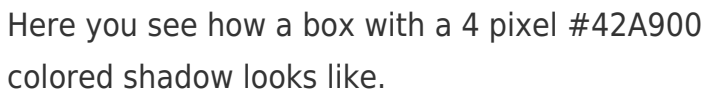
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#42A900 }
```

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

```
.border{ border-color:#42A900 }
```

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



Here you see how a box with a 4 pixel #42A900 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #42A900; -webkit-box-shadow:4px 4px  
4px 4px #42A900; box-shadow:4px 4px 4px  
4px #42A900 }
```

# Background

The CSS property to change the background color of an element to Hex 42A900 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#42A900 }
```

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

```
.background{ background-color:#42A900 }
```

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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