

Converting Colors

Hex(42B20C)

Have a look what the booklet for
Hex(42B20C) contains.

Hex(42B20C)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

Hex(42B20C)

Conversions

Conversions Part 1

Format	Color
Hex	42B20C
RGB	66, 178, 12
RGB Percent	26%, 70%, 5%
CMY	0.7412, 0.3020, 0.9529
CMYK	0.63, 0.00, 0.93, 0.30
HSL	100°, 87%, 37%
HSV	100°, 93%, 70%
XYZ	18.2335, 33.0256, 5.7614
YIQ	125.5880, -13.4660, -75.3700

Conversions

Conversions Part 2

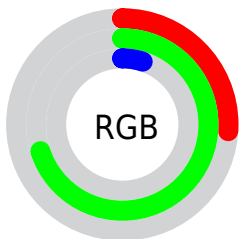
Format	Color
RYB	12, 178, 124
Decimal	4370956
CIELab	64.18, -57.24, 63.16
CIELCh	64, 85.239, 132.186
Yxy	33.0256, 0.3198, 0.5792
Android (android.graphics.Color)	4282561036 (0xFF42B20C)
YUV	125.5880, -55.9989, -52.2587
Hunter-Lab	57.4679, -43.9340, 34.2835

Details

The Hex color **42B20C** is a dark color, and the websafe version is hex **66CC33**. A complement of this color would be **7C0CB2**, and the grayscale version is **7E7E7E**.

A 20% lighter version of the original color is **80EB50**, and **007C00** is the 20% darker color. If you saturate the color by 10%, you get **3AB200**, and if you desaturate by 10%, it is **4EB21E**.

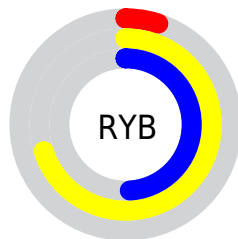
Distribution



Red (26%)

Green (70%)

Blue (5%)



Red (5%)

Yellow (70%)

Blue (49%)

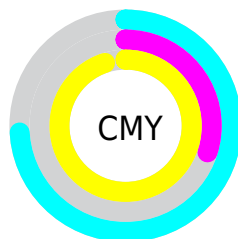


Cyan (63%)

Magenta (0%)

Yellow (93%)

Black (30%)



Cyan (74%)

Magenta (30%)

Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the Hex color 42B20C 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 42B20C by changing the saturation by 10% instead.

 42B20C

 42B20C

FFFFFF

 199700

 80EB50

 007C00

 9EFF6C

 006200

 BBFF88

 004900

 D9FFA4

 003200

 F7FFC0

 001700

 FFFFDD

 000000

 FFFFFB

 42B20C

 42B20C

 3AB200

 4EB21E

 5AB230

 66B241

 72B253

 7EB265

 8AB277

 96B289

 A2B29A

 AEB2AC

Harmonies

Analogous

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



9FA200



42B20C



00BA6A

Triad

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



42B20C



00B1FF



FF3E80

Complementary

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



42B20C



7C0CB2

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.



FF4CCC



42B20C



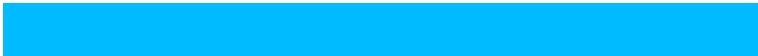
009BFF

Square

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



42B20C



00BBFF



C477FF



FF6137

Rectangle

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



42B20C



00BC9F



C477FF



FF3B99

Sweetspot

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



42B20C



BCE8A7



B27B0C



5A754D



F5F5F5



757575

Same Dimension

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



42B20C



4BE800



0CB228



535950



329900



081A00

Inverse Universe

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



7C0CB2



9D00E8



B20C96



565059



670099



11001A

Previews

White Background



This preview shows how the Hex color 42B20C looks on a white background.

Color Contrast Check

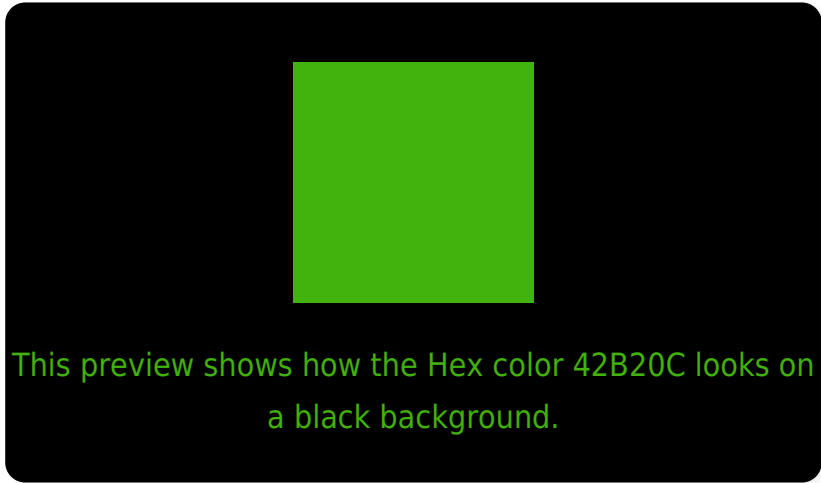
Large Text (above 18pt) WCAG AA × Fail

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 42B20C Background



This preview shows how black text looks on a background with the Hex color 42B20C.

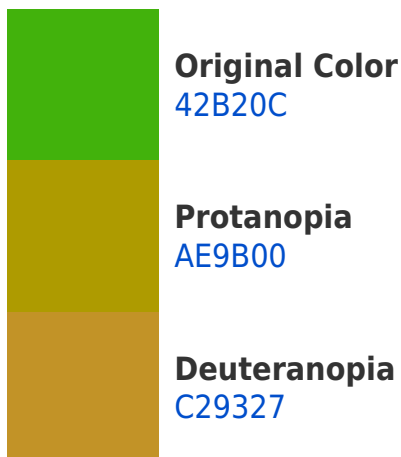


This preview shows how white text looks on a background with the Hex color 42B20C.

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
61A5B3

Trichromacy



Original Color
42B20C



Protanomaly
87A304



Deuteranomaly
939E1D



Tritanomaly
56AA76

Monochromacy



Original Color
42B20C



Achromatopsia
7E7E7E



Achromatomaly
689155

CSS Examples

Text

The CSS property to change the color of the text to Hex 42B20C 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 #42B20C looks like.

```
.text, #text, p{  
    color:#42B20C  
}
```

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 #42B20C colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #42B20C
}
```

Border

The CSS property to change the border of an element to Hex 42B20C is called "border". The border property can be set on classes, ids or directly on the HTML element.

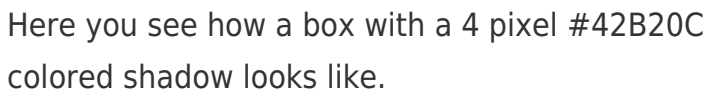
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid
#42B20C }
```

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

```
.border{ border-color:#42B20C }
```

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



Here you see how a box with a 4 pixel #42B20C colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #42B20C; -webkit-box-shadow:4px 4px  
4px 4px #42B20C; box-shadow:4px 4px 4px  
4px #42B20C }
```

Background

The CSS property to change the background color of an element to Hex 42B20C is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#42B20C }
```

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

```
.background{ background-color:#42B20C }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor