

# Converting Colors

Hex(21C460)

Have a look what the booklet for  
Hex(21C460) contains.

<b>Hex(21C460)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	11
<i><b>Previews</b></i> .....	23
<i><b>Color Blindness Simulation</b></i> .....	26
<i><b>CSS Examples</b></i> .....	29

**Color**

**Hex(21C460)**

# Conversions

## Conversions Part 1

Format	Color
Hex	21C460
RGB	33, 196, 96
RGB Percent	13%, 77%, 38%
CMY	0.8706, 0.2314, 0.6235
CMYK	0.83, 0.00, 0.51, 0.23
HSL	143°, 71%, 45%
HSV	143°, 83%, 77%
XYZ	22.4784, 40.6477, 17.7274
YIQ	135.8630, -65.0480, -65.6560

# Conversions

## Conversions Part 2

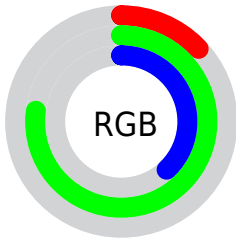
Format	Color
<a href="#">RYB</a>	<a href="#">33, 151, 196</a>
Decimal	<a href="#">2212960</a>
CIELab	<a href="#">69.93, -61.18, 38.94</a>
CIELCh	<a href="#">70, 72.520, 147.520</a>
Yxy	<a href="#">40.6477, 0.2780, 0.5027</a>
Android (android.graphics.Color)	<a href="#">4280403040 (0xFF21C460)</a>
YUV	<a href="#">135.8630, -19.6525, -90.2109</a>
Hunter-Lab	<a href="#">63.7556, -48.6381, 28.1432</a>

# Details

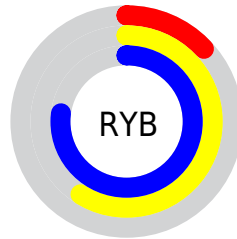
The Hex color **21C460** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted spring green. A complement of this color would be **C42185**, and the grayscale version is **888888**.

A 20% lighter version of the original color is **6DFE94**, and **008D2E** is the 20% darker color. If you saturate the color by 10%, you get **0DC454**, and if you desaturate by 10%, it is **35C46C**.

# Distribution



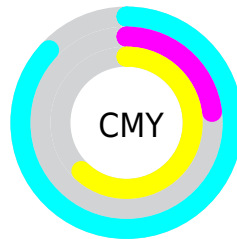
- Red (13%)
- Green (77%)
- Blue (38%)



- Red (13%)
- Yellow (59%)
- Blue (77%)



- Cyan (83%)
- Magenta (0%)
- Yellow (51%)
- Black (23%)



- Cyan (87%)
- Magenta (23%)
- Yellow (62%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 21C460 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 21C460 by changing the saturation by 10% instead.



 21C460

 21C460

FFFFFF

 00A847


 6DFE94

 008D2E

 8CFFB0

 007214

 AAFFCB

 005800

 C8FFE8

 003F00

 E7FFFF

 002800

 000000

 21C460

 21C460

 0DC454

 35C46C

 00C44C

 48C478

 5CC484

 6FC490

 83C49C

 97C4A8

 AAC4B4

 BEC4C0

 D1C4CC

# Harmonies

## Analogous

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



90B924



21C460



00C9A3

# Triad

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



21C460



00B4FF



FF7172

# Complementary

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



21C460



C42185

# 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.



FF69B3



21C460



9F9CFF

# Square

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



21C460



00C3FF



F57EF3



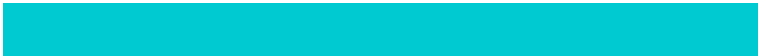
FF8C39

# Rectangle

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



21C460



00CAD1



F57EF3



FF6B87

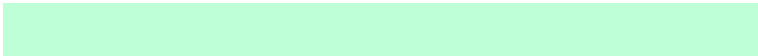


# Sweetspot

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



21C460



BFFFD8



86C421



598068



000000



808080



# Same Dimension

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



21C460



00FF63



21C4B1



57615B



00A13E



00210D



# Inverse Universe

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



C42185



FF009C



C42134



61575D



A10063



210014



# Previews

## White Background



This preview shows how the Hex color 21C460 looks on a white background.

## Color Contrast Check

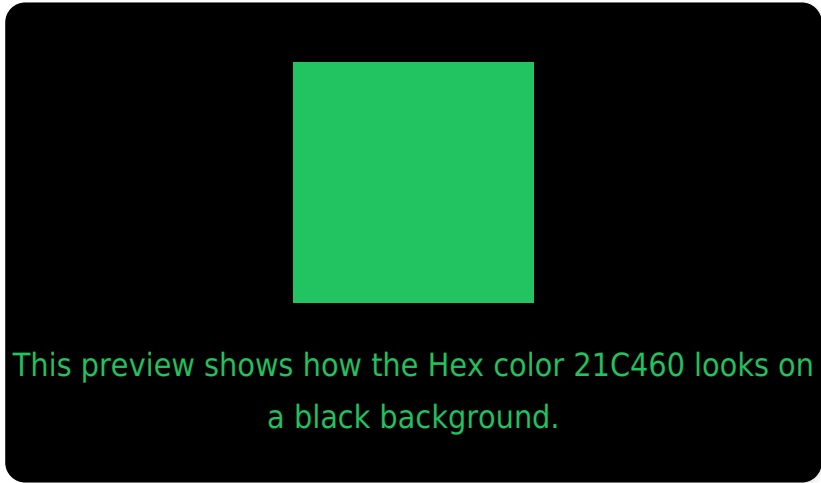
Large Text (above 18pt) WCAG AA × Fail

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 21C460 Background



This preview shows how black text looks on a background with the Hex color 21C460.

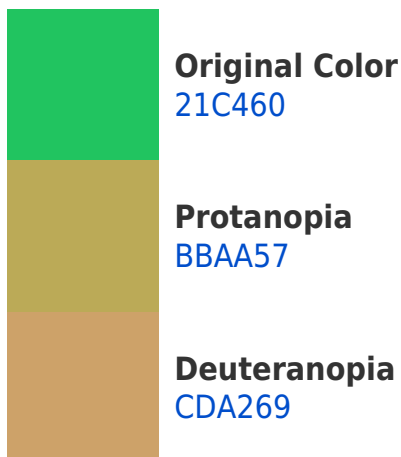


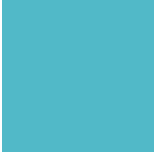
This preview shows how white text looks on a background with the Hex color 21C460.

# 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**  
51B9C8

# Trichromacy



**Original Color**  
21C460



**Protanomaly**  
83B35A



**Deuteranomaly**  
8EAE66



**Tritanomaly**  
40BDA2

# Monochromacy



**Original Color**  
21C460



**Achromatopsia**  
888888



**Achromatomaly**  
639E79

# CSS Examples

## Text

The CSS property to change the color of the text to Hex 21C460 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 #21C460 looks like.

```
.text, #text, p{  
    color:#21C460  
}
```

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 #21C460 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #21C460
}
```

## Border

The CSS property to change the border of an element to Hex 21C460 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
#21C460 }
```

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

```
.border{ border-color:#21C460 }
```

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

Here you see how a box with a 4 pixel #21C460 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #21C460; -webkit-box-shadow:4px 4px  
4px 4px #21C460; box-shadow:4px 4px 4px  
4px #21C460 }
```

# Background

The CSS property to change the background color of an element to Hex 21C460 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#21C460 }
```

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

```
.background{ background-color:#21C460 }
```

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