

# Converting Colors

Hex(21CE90)

Have a look what the booklet for  
Hex(21CE90) contains.

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**Color**

**Hex(21CE90)**

# Conversions

## Conversions Part 1

Format	Color
Hex	21CE90
RGB	33, 206, 144
RGB Percent	13%, 81%, 56%
CMY	0.8706, 0.1922, 0.4353
CMYK	0.84, 0.00, 0.30, 0.19
HSL	158°, 72%, 47%
HSV	158°, 84%, 81%
XYZ	27.7325, 46.4796, 33.8954
YIQ	147.2050, -83.2060, -55.9580

# Conversions

## Conversions Part 2

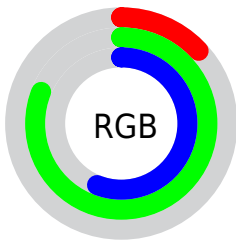
<b>Format</b>	<b>Color</b>
<b>RYB</b>	33, 138, 206
Decimal	2215568
CIELab	73.86, -55.68, 19.38
CIELCh	74, 58.954, 160.812
Yxy	46.4796, 0.2565, 0.4299
Android (android.graphics.Color)	4280405648 (0xFF21CE90)
YUV	147.2050, -1.5801, -100.1578
Hunter-Lab	68.1759, -46.6978, 18.2456

# Details

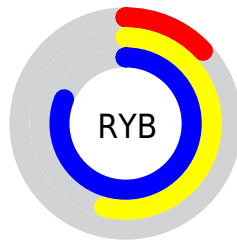
The Hex color **21CE90** is a dark color, and the websafe version is hex **00CC99**. The color can be described as dark muted spring green. A complement of this color would be **CE215F**, and the grayscale version is **939393**.

A 20% lighter version of the original color is **6FFFC6**, and **00965D** is the 20% darker color. If you saturate the color by 10%, you get **0CCE89**, and if you desaturate by 10%, it is **36CE97**.

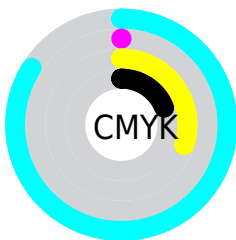
# Distribution



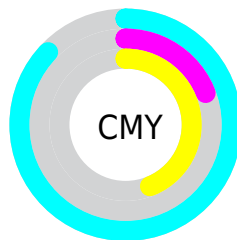
- Red (13%)
- Green (81%)
- Blue (56%)



- Red (13%)
- Yellow (54%)
- Blue (81%)



- Cyan (84%)
- Magenta (0%)
- Yellow (30%)
- Black (19%)



- Cyan (87%)
- Magenta (19%)
- Yellow (44%)

# Brightness & Saturation Gradients

These gradients show how the Hex color 21CE90 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 21CE90 by changing the saturation by 10% instead.



 21CE90

 21CE90

FFFFFF

 00B276

 6FFFC6

 00965D

 8EFFE2

 007C45

 ADFFFF

 00622F

 CCFFFF

 004819

 EAFFFF

 003100

 001600

 000000

 21CE90

 21CE90

 0CCE89

 36CE97

 00CE84

 4ACE9F

 5FCEA6

 73CEAE

 88CEB5

 9DCEBC

 B1CEC4

 C6CECB

 DACED2

# Harmonies

## Analogous

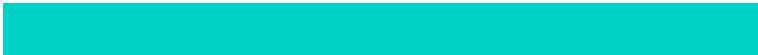
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86C660



21CE90



00D1C8

# Triad

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



21CE90



78B5FF



FF9271

# Complementary

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



21CE90



CE215F

# 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.



FF86A4



21CE90



D39FFF

# Square

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



21CE90



00C5FF



FF8CDA



F1A64D

# Rectangle

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



21CE90



00CFEB



FF8CDA



FF8C81

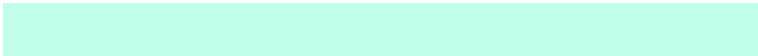


# Sweetspot

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



21CE90



BFFFE8



60CE21



598072



000000



808080



# Same Dimension

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



21CE90



00FFA4



21B7CE



5C6662



00A66A



002619



# Inverse Universe

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



CE215F



FF005B



CE3821



665C5F



A6003B

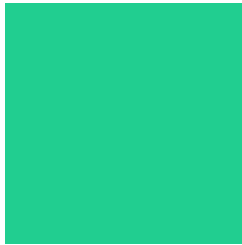


26000E



# Previews

## White Background



This preview shows how the Hex color 21CE90 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



This preview shows how the Hex color 21CE90 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

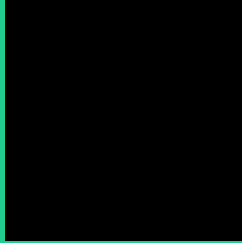
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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



## Hex 21CE90 Background



This preview shows how black text looks on a background with the Hex color 21CE90.

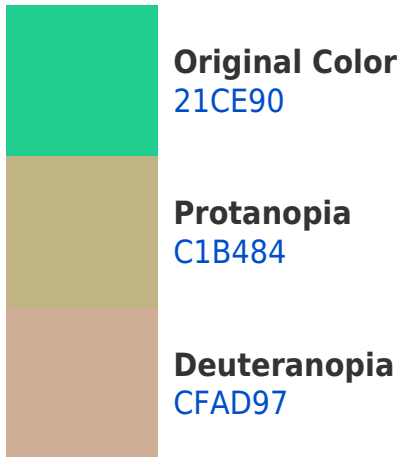


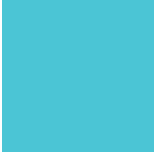
This preview shows how white text looks on a background with the Hex color 21CE90.

# 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



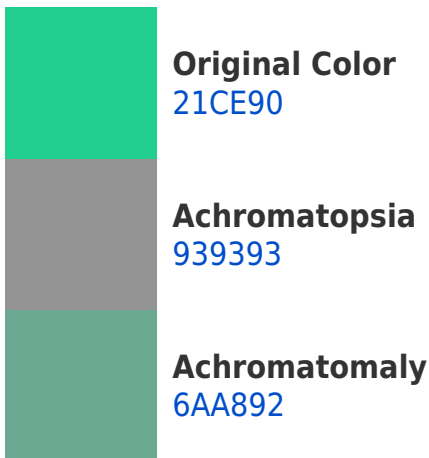


**Tritanopia**  
4BC5D5

# Trichromacy



# Monochromacy



# CSS Examples

## Text

The CSS property to change the color of the text to Hex 21CE90 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 #21CE90 looks like.

```
.text, #text, p{  
    color:#21CE90  
}
```

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 #21CE90 colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px #21CE90
}
```

## Border

The CSS property to change the border of an element to Hex 21CE90 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
#21CE90 }
```

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

```
.border{ border-color:#21CE90 }
```

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

Here you see how a box with a 4 pixel #21CE90 colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px #21CE90; -webkit-box-shadow:4px 4px  
4px 4px #21CE90; box-shadow:4px 4px 4px  
4px #21CE90 }
```

# Background

The CSS property to change the background color of an element to Hex 21CE90 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background:#21CE90 }
```

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

```
.background{ background-color:#21CE90 }
```

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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