

# Converting Colors

CIELCh(100, 65.009, 154.437)

Have a look what the booklet for  
CIELCh(100, 65.009, 154.437)  
contains.

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**Color**

**CIELCh(92, 49.967, 160.340)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	85FFC6
RGB	133, 255, 198
RGB Percent	52%, 100%, 78%
CMY	0.4778, 0.0000, 0.2229
CMYK	0.48, 0.00, 0.22, 0.00
HSL	152°, 100%, 76%
HSV	152°, 48%, 100%
XYZ	55.7185, 80.7044, 66.1577
YIQ	212.0240, -54.4150, -43.5910

# Conversions

## Conversions Part 2

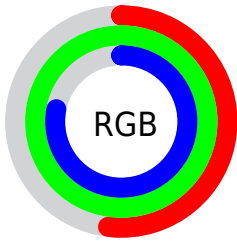
<b>Format</b>	<b>Color</b>
<b>RYB</b>	133, 213, 255
Decimal	8781766
CIELab	92.00, -47.05, 16.81
CIElCh	92, 49.967, 160.340
Yxy	80.7044, 0.2750, 0.3984
Android (android.graphics.Color)	4286971846 (0xFF85FFC6)
YUV	212.0240, -6.9138, -69.3040
Hunter-Lab	89.8356, -46.5017, 19.2220

# Details

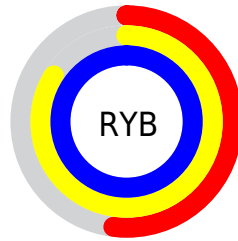
The CIELCh color **92, 49.967, 160.340** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **71, 53.226, 350.853**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 20.509, 198.155**, and **72, 50.167, 160.111** is the 20% darker color. If you saturate the color by 10%, you get **91, 58.938, 158.896**, and if you desaturate by 10%, it is **93, 40.116, 161.697**.

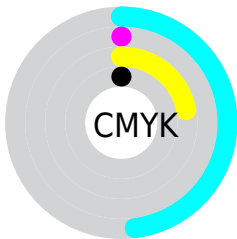
# Distribution



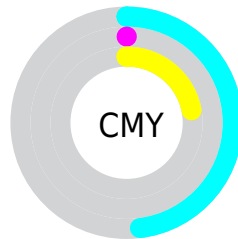
- Red (52%)
- Green (100%)
- Blue (78%)



- Red (52%)
- Yellow (84%)
- Blue (100%)



- Cyan (48%)
- Magenta (0%)
- Yellow (22%)
- Black (0%)




- Cyan (48%)
- Magenta (0%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the CIELCh color 92, 49.967, 160.340 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 CIELCh color 92, 49.967, 160.340 by changing the saturation by 10% instead.





 92, 49.967,  
160.340


 92, 49.967,  
160.340


 100, 49.967,  
160.340


 82, 49.967,  
160.340

 72, 49.967,  
160.340

 62, 49.967,  
160.340


 52, 49.967,  
160.340

 42, 49.967,  
160.340


 32, 49.967,  
160.340


 22, 49.967,


160.340


 12, 49.967,  
160.340


 2, 49.967, 160.340


 92, 49.967,  
160.340


 92, 49.967,  
160.340


 91, 58.938,  
158.896


 93, 40.116,  
161.697

 90, 67.124,  
157.211

 95, 29.832,  
162.865

 89, 74.322,  
155.311

 96, 19.210,  
163.913

 89, 80.495,  
153.194

 98, 8.417, 164.882

100, 0.012,

■ 89, 85.727,  
150.897

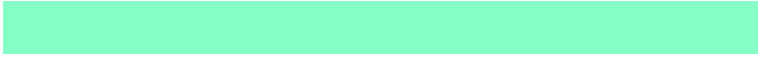
296.813

■ 89, 86.819,  
150.392

# Harmonies

# Complementary

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



92, 49.967, 160.340



71, 53.226, 350.853

# Rectangle

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



92, 49.967, 160.340



92, 49.967, 210.340



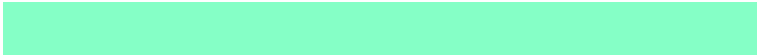
92, 49.967, 340.340



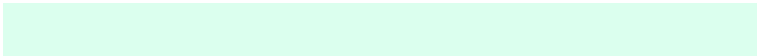
92, 49.967, 30.340

# Sweetspot

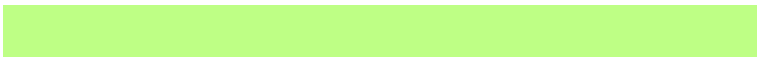
The Sweet Spot groups the original color and five complimentary colors.



92, 49.881, 160.383



97, 15.142, 164.285



94, 65.330, 127.998



51, 10.448, 164.074



0, 0.000, 0.000



53, 0.007, 296.813





# Same Dimension

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



92, 49.881, 160.383



91, 58.261, 159.019



92, 34.517, 200.822



52, 6.152, 164.716



68, 69.322, 150.827



23, 29.954, 154.063



# Inverse Universe

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



71, 53.226, 350.853



66, 62.461, 352.445



70, 49.471, 26.920



50, 6.244, 346.272



41, 68.018, 5.328

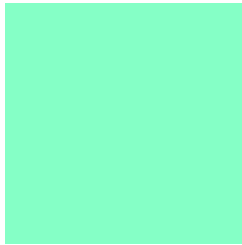


10, 31.594, 359.218



# Previews

## White Background



This preview shows how the CIE LCh color 92, 49.967, 160.340 looks on a white background.

## Color Contrast Check

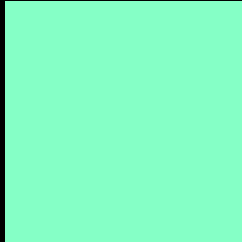
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIELCh color 92, 49.967, 160.340 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](#).

**CIELCh 92, 49.967, 160.340**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 92, 49.967, 160.340.

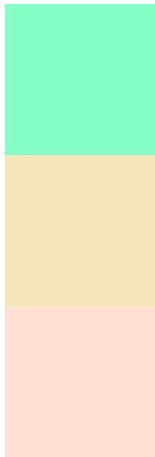


This preview shows how white text looks on a background with the CIELCh color 92, 49.967, 160.340.

# 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**  
92, 49.967, 160.340

**Protanopia**  
91, 23.276, 94.925

**Deuteranopia**  
91, 13.428, 49.890





**Tritanopia**  
92, 20.255, 219.400

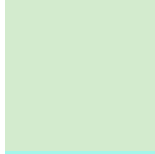
# Trichromacy



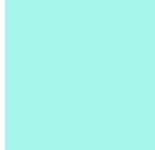
**Original Color**  
92, 49.967, 160.340



**Protanomaly**  
91, 28.403, 135.238



**Deuteranomaly**  
91, 17.412, 139.041

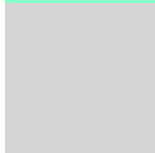


**Tritanomaly**  
92, 27.530, 184.515

# Monochromacy



**Original Color**  
92, 49.967, 160.340



**Achromatopsia**  
85, 0.010, 296.813



**Achromatomaly**  
87, 19.460, 163.723

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 92, 49.967, 160.340 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 `rgb(133, 255, 198)` looks like.

```
.text, #text, p{  
    color:rgb(133, 255, 198)  
}
```

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 rgb(133, 255, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 255, 198) }
```

## Border

The CSS property to change the border of an element to CIELCh 92, 49.967, 160.340 is called "border". The border property can be set on classes, ids or directly on the HTML element.

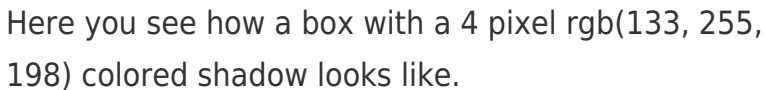
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(133, 255, 198) }
```

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

```
.border{ border-color:rgb(133, 255, 198) }
```

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



Here you see how a box with a 4 pixel `rgb(133, 255, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(133, 255, 198); -webkit-box-shadow:4px 4px 4px 4px rgb(133, 255, 198); box-shadow:4px 4px 4px 4px rgb(133, 255, 198) }
```

# Background

The CSS property to change the background color of an element to CIELCh 92, 49.967, 160.340 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 255, 198) }
```

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

```
.background{ background-color: rgb(133,  
255, 198) }
```

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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