

# Converting Colors

CIELCh(92, 44.964, 129.253)

Have a look what the booklet for  
CIELCh(92, 44.964, 129.253)  
contains.

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**Color**

**CIELCh(92, 44.995, 129.208)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C9F6A4
RGB	201, 246, 164
RGB Percent	79%, 96%, 64%
CMY	0.2133, 0.0368, 0.3583
CMYK	0.18, 0.00, 0.33, 0.04
HSL	93°, 81%, 80%
HSV	93°, 33%, 96%
XYZ	63.4883, 80.7044, 47.1792
YIQ	223.1970, -0.4980, -35.0420

# Conversions

## Conversions Part 2

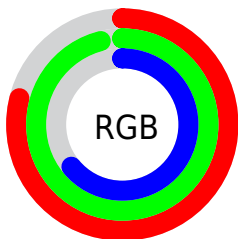
<b>Format</b>	<b>Color</b>
<b>RYB</b>	164, 246, 209
Decimal	13235876
CIELab	92.00, -28.44, 34.86
CIELCh	92, 44.995, 129.208
Yxy	80.7044, 0.3318, 0.4217
Android (android.graphics.Color)	4291425956 (0xFFC9F6A4)
YUV	223.1970, -29.1841, -19.4668
Hunter-Lab	89.8356, -31.0634, 31.7475

# Details

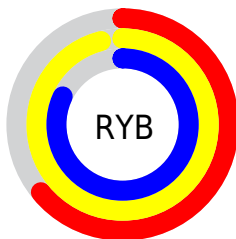
The CIELCh color **92, 44.995, 129.208** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **74, 46.927, 312.322**, and the grayscale version is **89, 0.011, 296.813**.

A 20% lighter version of the original color is **99, 17.699, 108.839**, and **72, 45.385, 129.120** is the 20% darker color. If you saturate the color by 10%, you get **91, 58.068, 128.730**, and if you desaturate by 10%, it is **93, 31.606, 129.701**.

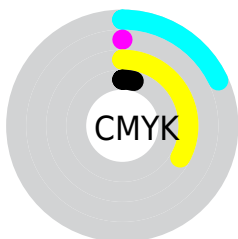
# Distribution



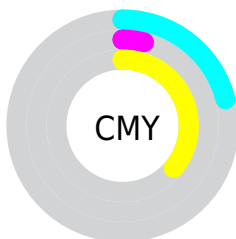
- Red (79%)
- Green (96%)
- Blue (64%)



- Red (64%)
- Yellow (96%)
- Blue (82%)



- Cyan (18%)
- Magenta (0%)
- Yellow (33%)
- Black (4%)



- Cyan (21%)
- Magenta (4%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the CIELCh color 92, 44.995, 129.208 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, 44.995, 129.208 by changing the saturation by 10% instead.



■ 92, 44.995,  
129.208

■ 92, 44.995,  
129.208

■ 100, 44.995,  
129.208

■ 82, 44.995,  
129.208

■ 72, 44.995,  
129.208

■ 62, 44.995,  
129.208

■ 52, 44.995,  
129.208

■ 42, 44.995,  
129.208

■ 32, 44.995,  
129.208

■ 22, 44.995,


129.208


 12, 44.995,  
129.208


 2, 44.995, 129.208


 92, 44.995,  
129.208


 92, 44.995,  
129.208

 91, 58.068,  
128.730

 93, 31.606,  
129.701

 90, 70.556,  
128.310

 95, 18.079,  
130.179

 89, 82.082,  
128.022

 96, 4.545, 130.650

 88, 92.137,  
127.974

 98, 5.756, 323.271

 98, 5.845, 324.592

■ 87,100.127,  
128.300

■ 87,105.592,  
129.107

■ 87,108.002,  
129.851

# Harmonies

# Complementary

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



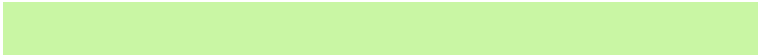
92, 44.995, 129.208



74, 46.927, 312.322

# Rectangle

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



92, 44.995, 129.208



92, 44.995, 179.208



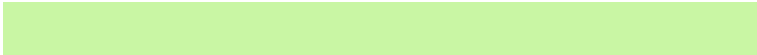
92, 44.995, 309.208



92, 44.995, 359.208

# Sweetspot

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



92, 44.997, 129.209



98, 13.921, 130.336



85, 27.735, 74.615



52, 9.501, 130.270



0, 0.000, 0.000



53, 0.007, 296.813



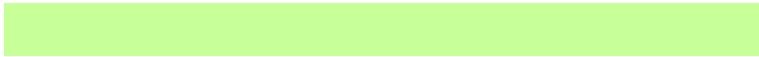


# Same Dimension

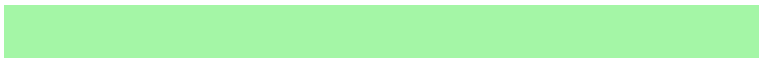
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92, 44.997, 129.209



94, 55.358, 128.885



90, 50.475, 142.892



50, 7.653, 130.360



67, 87.460, 129.577



21, 37.024, 128.402



# Inverse Universe

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



74, 46.927, 312.322



72, 58.270, 312.659



78, 50.445, 327.197



47, 7.748, 311.157



30, 97.478, 313.061

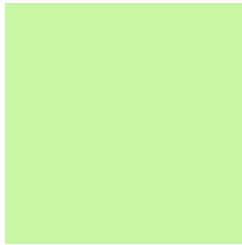


6, 41.588, 313.910



# Previews

## White Background



This preview shows how the CIELCh color 92, 44.995, 129.208 looks on a white background.

## Color Contrast Check

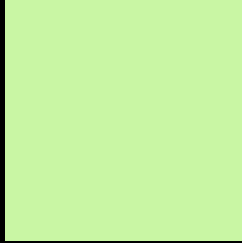
Large Text (above 18pt) WCAG AA × Fail

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, 44.995, 129.208 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

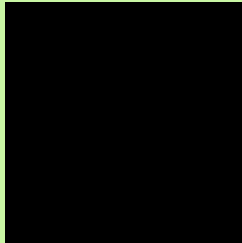
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**CIELCh 92, 44.995, 129.208**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 92, 44.995, 129.208.

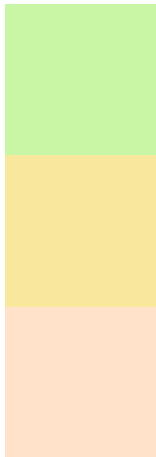


This preview shows how white text looks on a background with the CIELCh color 92, 44.995, 129.208.

# 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

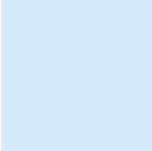


**Original Color**  
92, 44.995, 129.208

**Protanopia**  
92, 38.086, 95.606

**Deuteranopia**  
92, 17.019, 68.775



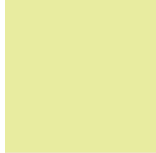


**Tritanopia**  
92, 11.756, 256.168

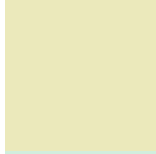
# Trichromacy



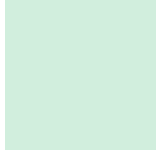
**Original Color**  
92, 44.995, 129.208



**Protanomaly**  
92, 38.670, 109.385



**Deuteranomaly**  
91, 23.623, 106.406

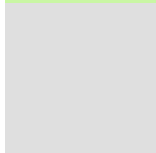


**Tritanomaly**  
92, 13.612, 158.345

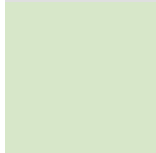
# Monochromacy



**Original Color**  
92, 44.995, 129.208



**Achromatopsia**  
89, 0.011, 296.813



**Achromatomaly**  
90, 16.634, 129.662

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 92, 44.995, 129.208 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(201, 246, 164)` looks like.

```
.text, #text, p{  
    color:rgb(201, 246, 164)  
}
```

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(201, 246, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 246, 164) }
```

## Border

The CSS property to change the border of an element to CIELCh 92, 44.995, 129.208 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(201, 246, 164) }
```

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

```
.border{ border-color:rgb(201, 246, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 246, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 246, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 246, 164);  
box-shadow:4px 4px 4px 4px rgb(201, 246,  
164) }
```

# Background

The CSS property to change the background color of an element to CIELCh 92, 44.995, 129.208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 246, 164) }
```

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

```
.background{ background-color: rgb(201,  
246, 164) }
```

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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