

Converting Colors

CIELCh(90, 49.858, 141.201)

Have a look what the booklet for
CIELCh(90, 49.858, 141.201)
contains.

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Color

CIELCh(90, 49.823, 141.212)

Conversions

Conversions Part 1

Format	Color
Hex	A8F5A5
RGB	168, 245, 165
RGB Percent	66%, 96%, 65%
CMY	0.3414, 0.0394, 0.3531
CMYK	0.31, 0.00, 0.33, 0.04
HSL	118°, 80%, 80%
HSV	118°, 33%, 96%
XYZ	55.5581, 76.3034, 47.3714
YIQ	212.8570, -20.2120, -41.2040

Conversions

Conversions Part 2

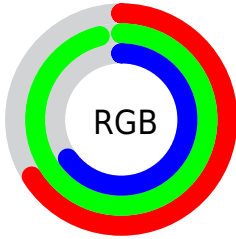
Format	Color
RYB	165, 245, 242
Decimal	11072933
CIELab	90.00, -38.84, 31.21
CIELCh	90, 49.823, 141.212
Yxy	76.3034, 0.3100, 0.4257
Android (android.graphics.Color)	4289263013 (0xFFA8F5A5)
YUV	212.8570, -23.5935, -39.3396
Hunter-Lab	87.3518, -39.3348, 28.9929

Details

The CIELCh color **90, 49.823, 141.212** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **77, 49.912, 325.135**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 20.461, 140.526**, and **70, 49.859, 141.109** is the 20% darker color. If you saturate the color by 10%, you get **89, 64.550, 140.297**, and if you desaturate by 10%, it is **92, 34.635, 142.020**.

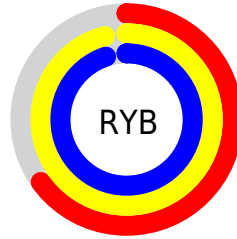
Distribution



Red (66%)

Green (96%)

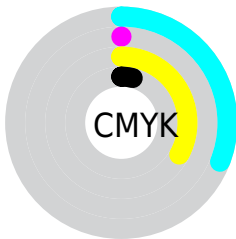
Blue (65%)



Red (65%)

Yellow (96%)

Blue (95%)

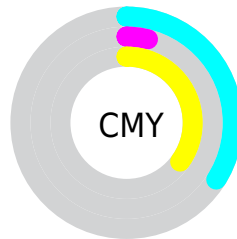


Cyan (31%)

Magenta (0%)

Yellow (33%)

Black (4%)



Cyan (34%)

Magenta (4%)

Yellow (35%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 49.823, 141.212 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 90, 49.823, 141.212 by changing the saturation by 10% instead.

 90, 49.823,
141.212

 90, 49.823,
141.212

 100, 49.823,
141.212

 80, 49.823,
141.212

 70, 49.823,
141.212

 60, 49.823,
141.212


 50, 49.823,
141.212

 40, 49.823,
141.212

 30, 49.823,
141.212


 20, 49.823,

141.212


 10, 49.823,
141.212

 0, 49.823, 141.212


 90, 49.823,
141.212


 90, 49.823,
141.212

 89, 64.550,
140.297


 92, 34.635,
142.020

 87, 78.414,
139.293

 94, 19.290,
142.721

 86, 90.914,
138.254

 96, 4.018, 143.371

 86, 101.450,
137.277

 98, 6.260, 324.610

■ 85, 109.379,
136.501

■ 85, 114.225,
136.059

■ 85, 116.010,
135.907

Harmonies

Complementary

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



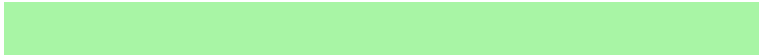
90, 49.823, 141.212



77, 49.912, 325.135

Rectangle

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



90, 49.823, 141.212



90, 49.823, 191.212



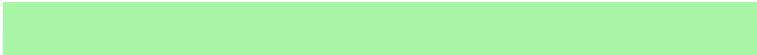
90, 49.823, 321.212



90, 49.823, 11.212

Sweetspot

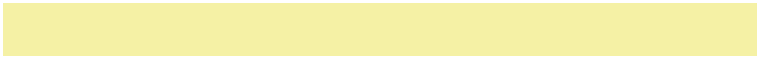
The Sweet Spot groups the original color and five complimentary colors.



90, 49.825, 141.212



98, 15.718, 142.891



94, 38.531, 104.770



52, 10.733, 142.801



0, 0.000, 0.000



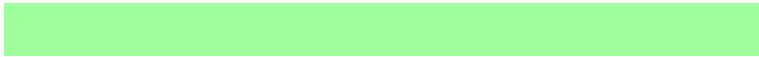
53, 0.007, 296.813

Same Dimension

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



90, 49.825, 141.212



92, 61.197, 140.636



91, 36.110, 158.034



50, 8.639, 142.925



66, 94.352, 135.862



20, 40.775, 136.836

Inverse Universe

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



77, 49.912, 325.135



77, 61.255, 325.446



77, 37.233, 343.986



48, 8.657, 323.920



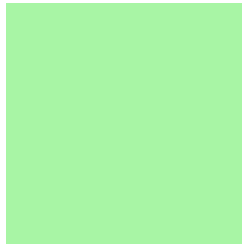
43, 91.395, 326.759



10, 40.623, 326.953

Previews

White Background



This preview shows how the CIELCh color 90, 49.823, 141.212 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 90, 49.823, 141.212 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 90, 49.823, 141.212

Background



This preview shows how black text looks on a background with the CIELCh color 90, 49.823, 141.212.

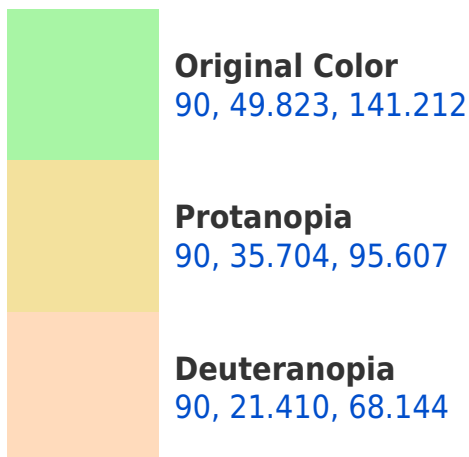



This preview shows how white text looks on a background with the CIELCh color 90, 49.823, 141.212.

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



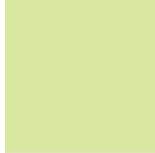


Tritanopia
90, 18.581, 230.834

Trichromacy



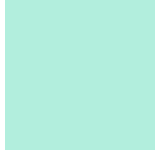
Original Color
90, 49.823, 141.212



Protanomaly
89, 37.336, 116.791



Deuteranomaly
89, 24.820, 112.561

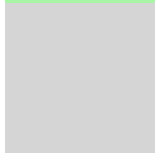


Tritanomaly
90, 22.457, 174.684

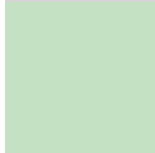
Monochromacy



Original Color
90, 49.823, 141.212



Achromatopsia
85, 0.010, 296.813



Achromatomaly
87, 18.351, 142.788

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 49.823, 141.212 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(168, 245, 165)` looks like.

```
.text, #text, p{  
    color:rgb(168, 245, 165)  
}
```

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(168, 245, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 245, 165) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 49.823, 141.212 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(168, 245, 165) }
```

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

```
.border{ border-color:rgb(168, 245, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 245, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 245, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 245, 165);  
box-shadow:4px 4px 4px 4px rgb(168, 245,  
165) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 49.823, 141.212 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 245, 165) }
```

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

```
.background{ background-color: rgb(168,  
245, 165) }
```

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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