

Converting Colors

CIELCh(89, 49.359, 147.795)

Have a look what the booklet for
CIELCh(89, 49.359, 147.795)
contains.

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Color

CIELCh(89, 49.407, 147.780)

Conversions

Conversions Part 1

Format	Color
Hex	99F4AC
RGB	153, 244, 172
RGB Percent	60%, 96%, 67%
CMY	0.4015, 0.0447, 0.3269
CMYK	0.37, 0.00, 0.30, 0.04
HSL	133°, 80%, 78%
HSV	133°, 37%, 96%
XYZ	52.7084, 74.1641, 50.3819
YIQ	208.5830, -31.1240, -41.6840

Conversions

Conversions Part 2

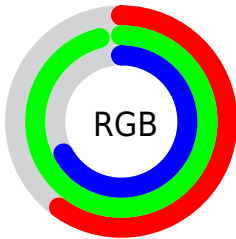
Format	Color
R _Y B	153, 228, 244
Decimal	10089644
CIE Lab	89.00, -41.80, 26.34
CIE LCh	89, 49.407, 147.780
Yxy	74.1641, 0.2974, 0.4184
Android (android.graphics.Color)	4288279724 (0xFF99F4AC)
YUV	208.5830, -18.0354, -48.7463
Hunter-Lab	86.1186, -41.4576, 25.5967

Details

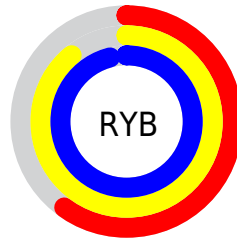
The CIELCh color $89, 49.407, 147.780$ is a light color, and the websafe version is hex $99FFCC$. A complement of this color would be $74, 49.600, 333.325$, and the grayscale version is $84, 0.010, 296.813$.

A 20% lighter version of the original color is $96, 21.080, 157.214$, and $69, 49.294, 147.604$ is the 20% darker color. If you saturate the color by 10%, you get $88, 61.993, 146.626$, and if you desaturate by 10%, it is $91, 36.341, 148.779$.

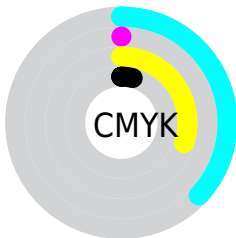
Distribution



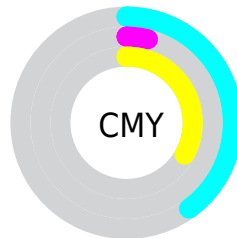
- Red (60%)
- Green (96%)
- Blue (67%)



- Red (60%)
- Yellow (89%)
- Blue (96%)



- Cyan (37%)
- Magenta (0%)
- Yellow (30%)
- Black (4%)



- Cyan (40%)
- Magenta (4%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 49.407, 147.780 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 89, 49.407, 147.780 by changing the saturation by 10% instead.

■ 89, 49.407,
147.780

■ 89, 49.407,
147.780

■ 100, 49.407,
147.780

■ 79, 49.407,
147.780

■ 69, 49.407,
147.780

■ 59, 49.407,
147.780

■ 49, 49.407,
147.780

■ 39, 49.407,
147.780


■ 29, 49.407,
147.780

■ 19, 49.407,


147.780


 9, 49.407, 147.780


 0, 49.407, 147.780


 89, 49.407,
147.780

 89, 49.407,
147.780


 88, 61.993,
146.626


 91, 36.341,
148.779

 87, 73.812,
145.305


 92, 23.040,
149.643

 86, 84.567,
143.819

 94, 9.712, 150.403


 85, 93.969,
142.197


 97, 3.486, 330.900

 85, 101.761,

 97, 7.094, 324.645

140.502

 84, 107.760,
138.848

 84, 109.079,
138.464

Harmonies

Complementary

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



89, 49.407, 147.780



74, 49.600, 333.325

Rectangle

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



89, 49.407, 147.780



89, 49.407, 197.780



89, 49.407, 327.780



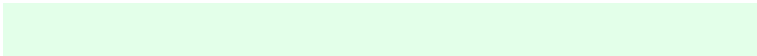
89, 49.407, 17.780

Sweetspot

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



89, 49.409, 147.780



98, 15.118, 150.131



93, 46.364, 115.426



52, 10.165, 150.029



0, 0.000, 0.000



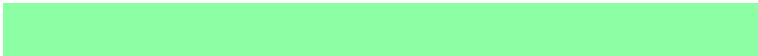
53, 0.007, 296.813

Same Dimension

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



89, 49.409, 147.780



92, 61.315, 146.899



90, 33.511, 172.118



50, 7.550, 150.245



66, 88.540, 138.748



21, 36.845, 141.607

Inverse Universe

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



74, 49.600, 333.325



73, 61.385, 333.889



73, 37.509, 0.426



48, 7.575, 331.414



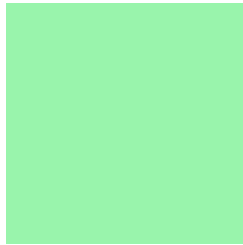
42, 77.598, 338.714



10, 35.219, 337.047

Previews

White Background



This preview shows how the CIELCh color 89, 49.407, 147.780 looks on a white background.

Color Contrast Check

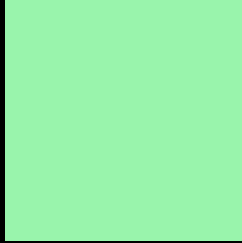
Large Text (above 18pt) WCAG AA × Fail

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 89, 49.407, 147.780 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

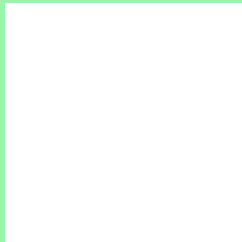
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 89, 49.407, 147.780

Background



This preview shows how black text looks on a background with the CIELCh color 89, 49.407, 147.780.

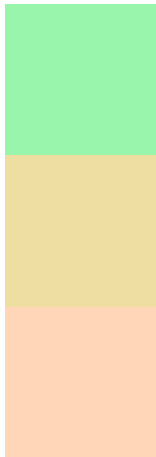


This preview shows how white text looks on a background with the CIELCh color 89, 49.407, 147.780.

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
89, 49.407, 147.780

Protanopia
89, 31.721, 95.254

Deuteranopia
89, 22.596, 65.118

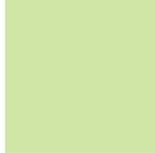


Tritanopia
89, 22.099, 225.067

Trichromacy



Original Color
89, 49.407, 147.780



Protanomaly
88, 33.982, 121.915



Deuteranomaly
88, 23.432, 114.792

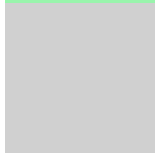


Tritanomaly
89, 25.794, 181.184

Monochromacy



Original Color
89, 49.407, 147.780



Achromatopsia
83, 0.010, 296.813



Achromatomaly
85, 18.264, 149.950

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 49.407, 147.780 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(153, 244, 172)` looks like.

```
.text, #text, p{  
    color:rgb(153, 244, 172)  
}
```

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(153, 244, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 244, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 49.407, 147.780 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(153, 244, 172) }
```

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

```
.border{ border-color:rgb(153, 244, 172) }
```

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

Here you see how a box with a 4 pixel rgb(153, 244, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 244, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 244, 172);  
box-shadow:4px 4px 4px 4px rgb(153, 244,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 49.407, 147.780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 244, 172) }
```

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

```
.background{ background-color: rgb(153,  
244, 172) }
```

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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