

Converting Colors

CIELCh(89, 45.116, 144.040)

Have a look what the booklet for
CIELCh(89, 45.116, 144.040)
contains.

CIELCh(89, 44.720, 144.086)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(89, 44.720, 144.086)

Conversions

Conversions Part 1

Format	Color
Hex	A7F1AC
RGB	167, 241, 172
RGB Percent	65%, 95%, 67%
CMY	0.3448, 0.0546, 0.3252
CMYK	0.31, 0.00, 0.29, 0.05
HSL	124°, 73%, 80%
HSV	124°, 31%, 95%
XYZ	54.8857, 74.1641, 50.4904
YIQ	211.0080, -21.9550, -37.1470

Conversions

Conversions Part 2

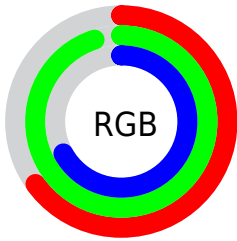
Format	Color
RYB	167, 236, 241
Decimal	11006380
CIELab	89.00, -36.22, 26.23
CIElCh	89, 44.720, 144.086
Yxy	74.1641, 0.3057, 0.4131
Android (android.graphics.Color)	4289196460 (0xFFA7F1AC)
YUV	211.0080, -19.2309, -38.5950
Hunter-Lab	86.1186, -36.9447, 25.5219

Details

The CIELCh color **89, 44.720, 144.086** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **78, 44.733, 328.062**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 17.709, 147.409**, and **69, 45.234, 144.100** is the 20% darker color. If you saturate the color by 10%, you get **87, 58.894, 143.100**, and if you desaturate by 10%, it is **91, 30.178, 144.939**.

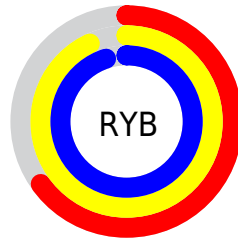
Distribution



Red (65%)

Green (95%)

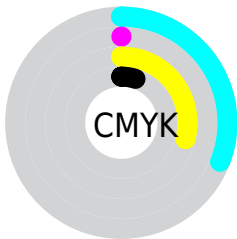
Blue (67%)



Red (65%)

Yellow (93%)

Blue (95%)

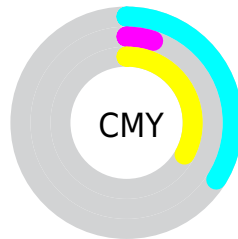


Cyan (31%)

Magenta (0%)

Yellow (29%)

Black (5%)



Cyan (34%)

Magenta (5%)

Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 44.720, 144.086 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, 44.720, 144.086 by changing the saturation by 10% instead.

 89, 44.720,
144.086

 89, 44.720,
144.086

 100, 44.720,
144.086

 79, 44.720,
144.086

 69, 44.720,
144.086

 59, 44.720,
144.086

 49, 44.720,
144.086

 39, 44.720,
144.086

 29, 44.720,
144.086

 19, 44.720,


144.086


 9, 44.720, 144.086


 0, 44.720, 144.086


 89, 44.720,
144.086

 89, 44.720,
144.086

 87, 58.894,
143.100


 91, 30.178,
144.939

 86, 72.354,
141.980


 93, 15.535,
145.675

 85, 84.697,
140.746


 95, 0.997, 146.588


 84, 95.459,
139.453

 97, 8.671, 324.708

 84, 104.147,

138.200

 84, 110.311,
137.124

 83, 113.631,
136.435

Harmonies

Complementary

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



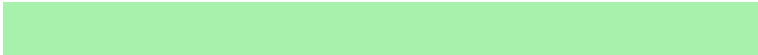
89, 44.720, 144.086



78, 44.733, 328.062

Rectangle

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



89, 44.720, 144.086



89, 44.720, 194.086



89, 44.720, 324.086



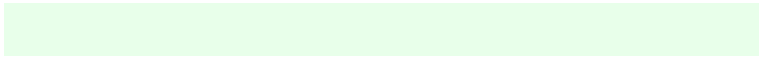
89, 44.720, 14.086

Sweetspot

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



89, 44.722, 144.086



98, 13.662, 145.789



93, 37.570, 110.130



52, 9.503, 145.689



0, 0.000, 0.000



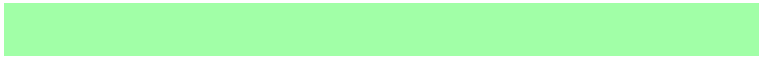
53, 0.007, 296.813

Same Dimension

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



89, 44.722, 144.086



93, 56.211, 143.470



90, 30.607, 164.415



49, 8.206, 145.758



65, 92.332, 136.571



19, 38.346, 139.016

Inverse Universe

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



78, 44.733, 328.062



78, 56.151, 328.424



76, 32.260, 350.525



47, 8.221, 326.827



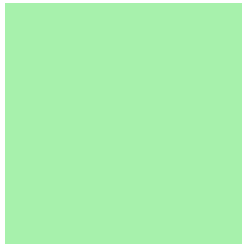
43, 85.638, 331.116



10, 37.661, 330.689

Previews

White Background



This preview shows how the CIE LCh color 89, 44.720, 144.086 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, 44.720, 144.086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

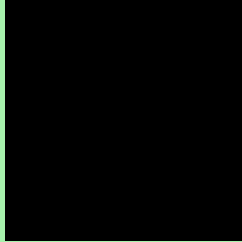
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 44.720, 144.086

Background



This preview shows how black text looks on a background with the CIELCh color 89, 44.720, 144.086.



This preview shows how white text looks on a background with the CIELCh color 89, 44.720, 144.086.

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



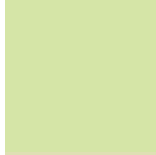


Tritanopia
89, 18.355, 231.377

Trichromacy



Original Color
89, 44.720, 144.086



Protanomaly
88, 32.476, 118.529



Deuteranomaly
88, 22.764, 109.239

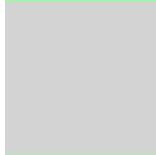


Tritanomaly
89, 20.986, 179.114

Monochromacy



Original Color
89, 44.720, 144.086



Achromatopsia
85, 0.010, 296.813



Achromatomaly
86, 16.457, 145.765

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 89, 44.720, 144.086 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(167, 241, 172)` looks like.

```
.text, #text, p{  
    color:rgb(167, 241, 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(167, 241, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 241, 172) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 44.720, 144.086 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(167, 241, 172) }
```

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

```
.border{ border-color:rgb(167, 241, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 241, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 241, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 241, 172);  
box-shadow:4px 4px 4px 4px rgb(167, 241,  
172) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 44.720, 144.086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 241, 172) }
```

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

```
.background{ background-color: rgb(167,  
241, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor