

Converting Colors

CIELCh(89, 45.457, 144.210)

Have a look what the booklet for
CIELCh(89, 45.457, 144.210)
contains.

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Color

CIELCh(89, 45.345, 144.022)

Conversions

Conversions Part 1

Format	Color
Hex	A6F1AB
RGB	166, 241, 171
RGB Percent	65%, 95%, 67%
CMY	0.3480, 0.0538, 0.3284
CMYK	0.31, 0.00, 0.29, 0.05
HSL	124°, 73%, 80%
HSV	124°, 31%, 95%
XYZ	54.6975, 74.1641, 50.0926
YIQ	210.5950, -22.2300, -37.6700

Conversions

Conversions Part 2

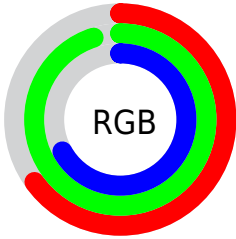
Format	Color
RYB	166, 236, 241
Decimal	10940843
CIELab	89.00, -36.70, 26.64
CIELCh	89, 45.345, 144.022
Yxy	74.1641, 0.3057, 0.4144
Android (android.graphics.Color)	4289130923 (0xFFA6F1AB)
YUV	210.5950, -19.5203, -39.1098
Hunter-Lab	86.1186, -37.3348, 25.7958

Details

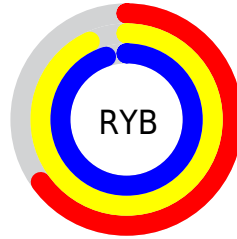
The CIELCh color $89, 45.345, 144.022$ is a light color, and the websafe version is hex $99FFCC$. A complement of this color would be $77, 45.354, 328.054$, and the grayscale version is $85, 0.010, 296.813$.

A 20% lighter version of the original color is $97, 18.337, 147.255$, and $69, 45.272, 144.079$ is the 20% darker color. If you saturate the color by 10%, you get $87, 59.516, 143.031$, and if you desaturate by 10%, it is $91, 30.793, 144.880$.

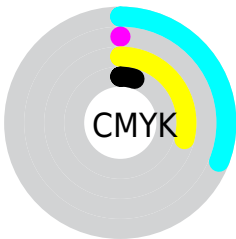
Distribution



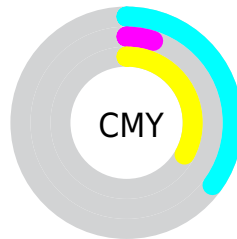
- Red (65%)
- Green (95%)
- Blue (67%)



- Red (65%)
- Yellow (93%)
- Blue (95%)



- Cyan (31%)
- Magenta (0%)
- Yellow (29%)
- Black (5%)



- Cyan (35%)
- Magenta (5%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 89, 45.345, 144.022 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, 45.345, 144.022 by changing the saturation by 10% instead.

■ 89, 45.345,
144.022

■ 89, 45.345,
144.022

■ 100, 45.345,
144.022

■ 79, 45.345,
144.022

■ 69, 45.345,
144.022

■ 59, 45.345,
144.022

■ 49, 45.345,
144.022

■ 39, 45.345,
144.022


■ 29, 45.345,
144.022

■ 19, 45.345,


144.022


 9, 45.345, 144.022


 0, 45.345, 144.022


 89, 45.345,
144.022


 89, 45.345,
144.022

 87, 59.516,
143.031

 91, 30.793,
144.880


 86, 72.957,
141.907


 93, 16.129,
145.619

 85, 85.261,
140.670


 95, 1.564, 146.422


 97, 8.546, 324.703

 84, 95.959,
139.379

 84, 104.556,

138.134

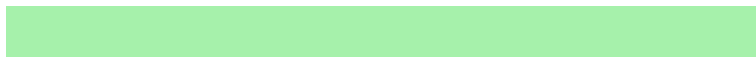
 84, 110.605,
137.073

 84, 113.724,
136.427

Harmonies

Complementary

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



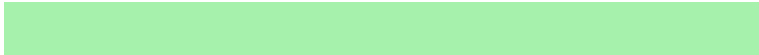
89, 45.345, 144.022



77, 45.354, 328.054

Rectangle

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



89, 45.345, 144.022



89, 45.345, 194.022



89, 45.345, 324.022



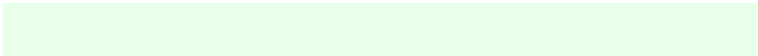
89, 45.345, 14.022

Sweetspot

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



89, 45.347, 144.022



98, 13.671, 145.760



93, 38.038, 109.363



52, 9.509, 145.661



0, 0.000, 0.000



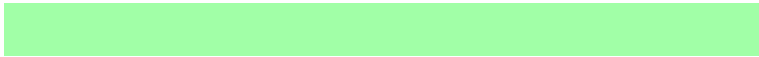
53, 0.007, 296.813

Same Dimension

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



89, 45.347, 144.022



93, 56.250, 143.442



90, 31.412, 163.423



49, 8.212, 145.730



65, 92.352, 136.562



19, 38.366, 138.998

Inverse Universe

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



77, 45.354, 328.054



78, 56.189, 328.393



76, 32.998, 349.548



47, 8.226, 326.799



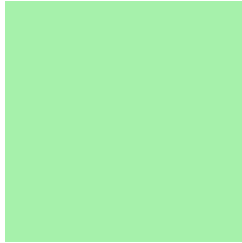
43, 85.705, 331.070



10, 37.686, 330.651

Previews

White Background



This preview shows how the CIELCh color 89, 45.345, 144.022 looks on a white background.

Color Contrast Check

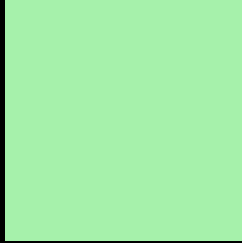
Large Text (above 18pt) WCAG AA × Fail

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, 45.345, 144.022 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

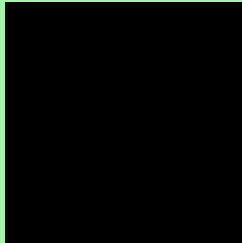
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 89, 45.345, 144.022

Background



This preview shows how black text looks on a background with the CIELCh color 89, 45.345, 144.022.

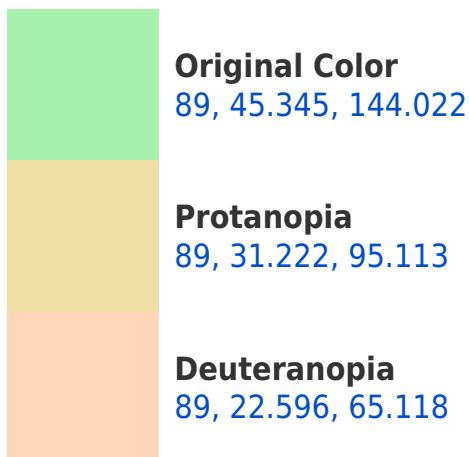



This preview shows how white text looks on a background with the CIELCh color 89, 45.345, 144.022.

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



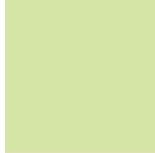


Tritanopia
89, 18.605, 230.870

Trichromacy



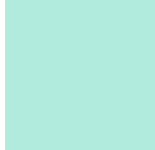
Original Color
89, 45.345, 144.022



Protanomaly
88, 32.971, 118.334



Deuteranomaly
88, 23.783, 110.046

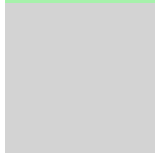


Tritanomaly
89, 21.499, 178.071

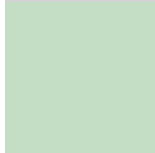
Monochromacy



Original Color
89, 45.345, 144.022



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, 45.345, 144.022 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(166, 241, 171)` looks like.

```
.text, #text, p{  
    color:rgb(166, 241, 171)  
}
```

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(166, 241, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 241, 171) }
```

Border

The CSS property to change the border of an element to CIELCh 89, 45.345, 144.022 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(166, 241, 171) }
```

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

```
.border{ border-color:rgb(166, 241, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 241, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 241, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 241, 171);  
box-shadow:4px 4px 4px 4px rgb(166, 241,  
171) }
```

Background

The CSS property to change the background color of an element to CIELCh 89, 45.345, 144.022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 241, 171) }
```

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

```
.background{ background-color: rgb(166,  
241, 171) }
```

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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