

Converting Colors

CIELCh(94, 47.603, 146.041)

Have a look what the booklet for
CIELCh(94, 47.603, 146.041)
contains.

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Color

CIELCh(93, 46.346, 146.273)

Conversions

Conversions Part 1

Format	Color
Hex	ACFEB8
RGB	172, 254, 184
RGB Percent	67%, 100%, 72%
CMY	0.3261, 0.0047, 0.2789
CMYK	0.32, 0.00, 0.28, 0.00
HSL	129°, 97%, 83%
HSV	129°, 32%, 100%
XYZ	60.9975, 82.9670, 58.0774
YIQ	221.5020, -26.4020, -39.1540

Conversions

Conversions Part 2

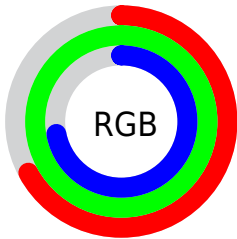
Format	Color
RYB	172, 244, 254
Decimal	11337400
CIELab	93.00, -38.55, 25.73
CIELCh	93, 46.346, 146.273
Yxy	82.9670, 0.3019, 0.4106
Android (android.graphics.Color)	4289527480 (0xFFACFEB8)
YUV	221.5020, -18.4885, -43.4133
Hunter-Lab	91.0862, -39.8652, 25.9565

Details

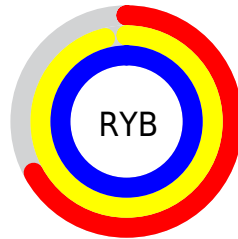
The CIELCh color $93, 46.346, 146.273$ is a light color, and the websafe version is hex `99FFCC`. A complement of this color would be $80, 46.435, 330.723$, and the grayscale version is $88, 0.010, 296.813$.

A 20% lighter version of the original color is $98, 11.957, 158.955$, and $73, 46.253, 146.366$ is the 20% darker color. If you saturate the color by 10%, you get $91, 60.257, 145.225$, and if you desaturate by 10%, it is $95, 32.047, 147.177$.

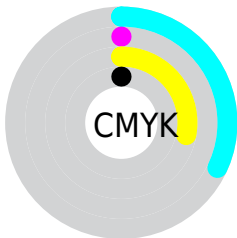
Distribution



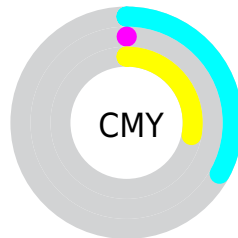
- Red (67%)
- Green (100%)
- Blue (72%)



- Red (67%)
- Yellow (96%)
- Blue (100%)



- Cyan (32%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)




- Cyan (33%)
- Magenta (0%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 93, 46.346, 146.273 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 93, 46.346, 146.273 by changing the saturation by 10% instead.


 93, 46.346,
146.273


 93, 46.346,
146.273


 100, 46.346,
146.273


 83, 46.346,
146.273

 73, 46.346,
146.273

 63, 46.346,
146.273

 53, 46.346,
146.273

 43, 46.346,
146.273

 33, 46.346,
146.273

 23, 46.346,

146.273

■ 13, 46.346,
146.273

■ 3, 46.346, 146.273

■ 93, 46.346,
146.273

■ 93, 46.346,
146.273

■ 91, 60.257,
145.225

■ 95, 32.047,
147.177

■ 90, 73.464,
144.024

■ 97, 17.614,
147.958

■ 89, 85.613,
142.676

■ 99, 3.254, 148.707

■ 88, 96.329,
141.211

100, 0.750,
324.055

■ 88, 105.238,
139.699

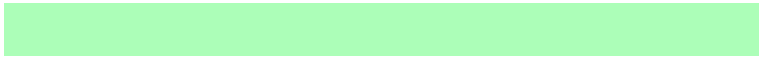
■ 88, 112.004,
138.254

■ 87, 115.671,
137.310

Harmonies

Complementary

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



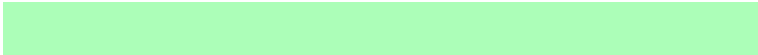
93, 46.346, 146.273



80, 46.435, 330.723

Rectangle

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



93, 46.346, 146.273



93, 46.346, 196.273



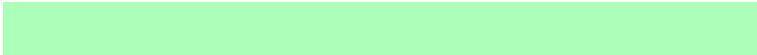
93, 46.346, 326.273



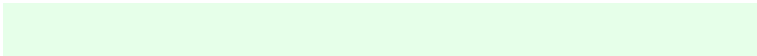
93, 46.346, 16.273

Sweetspot

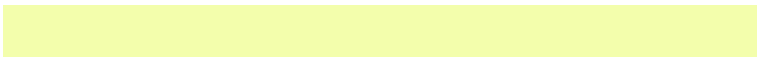
The Sweet Spot groups the original color and five complimentary colors.



93, 46.348, 146.273



98, 14.366, 148.123



97, 41.328, 112.902



52, 9.810, 148.022



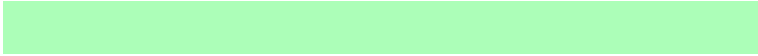
0, 0.000, 0.000



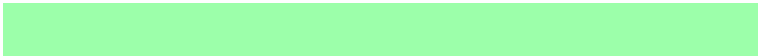
53, 0.007, 296.813

Same Dimension

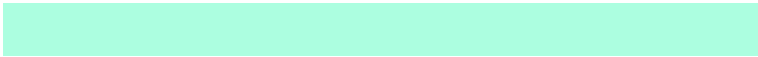
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93, 46.348, 146.273



92, 55.953, 145.586



94, 31.807, 168.256



52, 8.165, 148.159



68, 92.993, 137.535



23, 40.640, 139.714

Inverse Universe

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



80, 46.435, 330.723



77, 55.970, 331.153



79, 34.264, 355.051



50, 8.185, 329.283



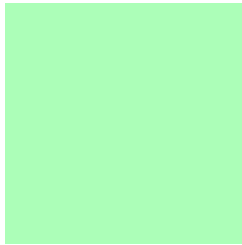
44, 82.968, 335.104



12, 38.695, 334.158

Previews

White Background



This preview shows how the CIE LCh color 93, 46.346, 146.273 looks on a white background.

Color Contrast Check

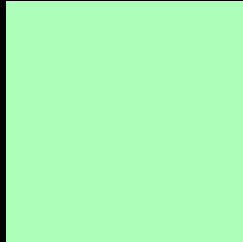
Large Text (above 18pt) WCAG AA × Fail

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 93, 46.346, 146.273 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

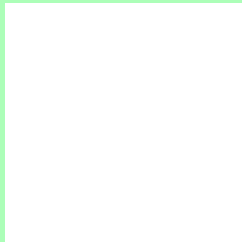
If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 93, 46.346, 146.273

Background



This preview shows how black text looks on a background with the CIELCh color 93, 46.346, 146.273.

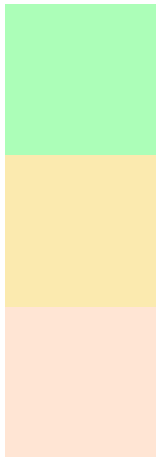


This preview shows how white text looks on a background with the CIELCh color 93, 46.346, 146.273.

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

93, 46.378, 146.261

Protanopia

93, 30.925, 95.293

Deuteranopia

93, 13.093, 61.593

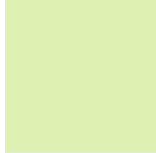


Tritanopia
93, 14.545, 228.653

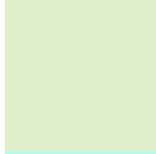
Trichromacy



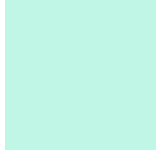
Original Color
93, 46.378, 146.261



Protanomaly
92, 32.928, 120.338

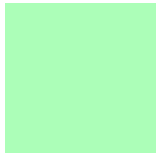


Deuteranomaly
92, 19.121, 123.285

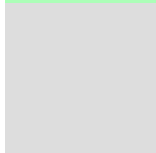


Tritanomaly
93, 20.898, 173.184

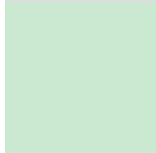
Monochromacy



Original Color
93, 46.378, 146.261



Achromatopsia
88, 0.010, 296.813



Achromatomaly
90, 16.975, 148.565

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 46.346, 146.273 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(172, 254, 184)` looks like.

```
.text, #text, p{  
    color:rgb(172, 254, 184)  
}
```

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(172, 254, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 254, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 46.346, 146.273 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(172, 254, 184) }
```

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

```
.border{ border-color:rgb(172, 254, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 254, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 254, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 254, 184);  
box-shadow:4px 4px 4px 4px rgb(172, 254,  
184) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 46.346, 146.273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 254, 184) }
```

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

```
.background{ background-color: rgb(172,  
254, 184) }
```

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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