

Converting Colors

CIELCh(100, 62.796, 145.912)

Have a look what the booklet for
CIELCh(100, 62.796, 145.912)
contains.

CIELCh(93, 48.437, 148.061)	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(93, 48.437, 148.061)

Conversions

Conversions Part 1

Format	Color
Hex	A5FFB8
RGB	165, 255, 184
RGB Percent	65%, 100%, 72%
CMY	0.3530, 0.0000, 0.2785
CMYK	0.35, 0.00, 0.28, 0.00
HSL	133°, 100%, 82%
HSV	133°, 35%, 100%
XYZ	59.9184, 82.9670, 58.1946
YIQ	219.9960, -30.8490, -41.1610

Conversions

Conversions Part 2

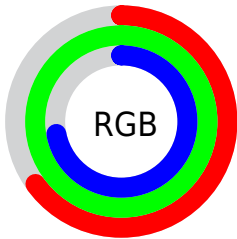
Format	Color
RYB	165, 239, 255
Decimal	10878904
CIELab	93.00, -41.10, 25.62
CIELCh	93, 48.437, 148.061
Yxy	82.9670, 0.2980, 0.4126
Android (android.graphics.Color)	4289068984 (0xFFA5FFB8)
YUV	219.9960, -17.7460, -48.2315
Hunter-Lab	91.0862, -41.9800, 25.8803

Details

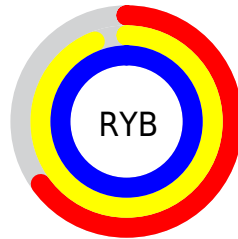
The CIELCh color $93, 48.437, 148.061$ is a light color, and the websafe version is hex $99FFCC$. A complement of this color would be $79, 48.651, 333.267$, and the grayscale version is $88, 0.010, 296.813$.

A 20% lighter version of the original color is $97, 13.879, 165.062$, and $73, 48.504, 148.293$ is the 20% darker color. If you saturate the color by 10%, you get $92, 61.597, 146.934$, and if you desaturate by 10%, it is $95, 34.834, 149.035$.

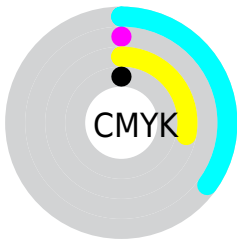
Distribution



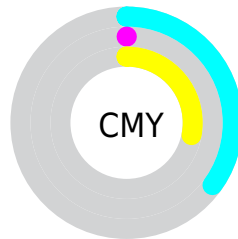
- Red (65%)
- Green (100%)
- Blue (72%)



- Red (65%)
- Yellow (94%)
- Blue (100%)



- Cyan (35%)
- Magenta (0%)
- Yellow (28%)
- Black (0%)





- Cyan (35%)
- Magenta (0%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 93, 48.437, 148.061 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, 48.437, 148.061 by changing the saturation by 10% instead.


 93, 48.437,
148.061


 93, 48.437,
148.061


 100, 48.437,
148.061


 83, 48.437,
148.061

 73, 48.437,
148.061

 63, 48.437,
148.061

 53, 48.437,
148.061

 43, 48.437,
148.061

 33, 48.437,
148.061

 23, 48.437,

148.061

■ 13, 48.437,
148.061

■ 3, 48.437, 148.061

■ 93, 48.437,
148.061

■ 93, 48.437,
148.061

■ 92, 61.597,
146.934

■ 95, 34.834,
149.035

■ 90, 74.020,
145.641

■ 97, 21.032,
149.877

■ 89, 85.399,
144.180

■ 99, 7.239, 150.631

■ 89, 95.431,
142.573

100, 0.018,
307.238

■ 88, 103.845,
140.875

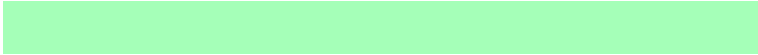
■ 88, 110.426,
139.187

■ 88, 112.903,
138.469

Harmonies

Complementary

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



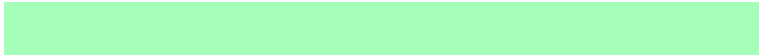
93, 48.437, 148.061



79, 48.651, 333.267

Rectangle

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



93, 48.437, 148.061



93, 48.437, 198.061



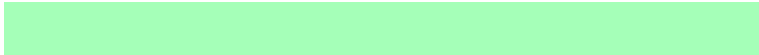
93, 48.437, 328.061



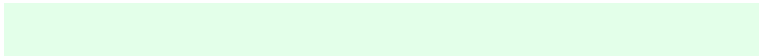
93, 48.437, 18.061

Sweetspot

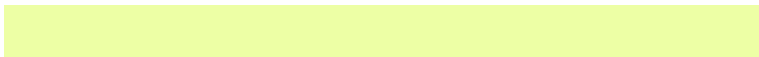
The Sweet Spot groups the original color and five complimentary colors.



93, 48.439, 148.061



98, 15.094, 150.207



97, 45.551, 115.557



52, 10.149, 150.104



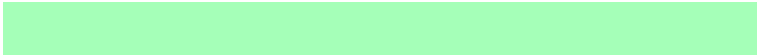
0, 0.000, 0.000



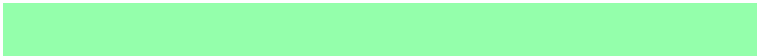
53, 0.007, 296.813

Same Dimension

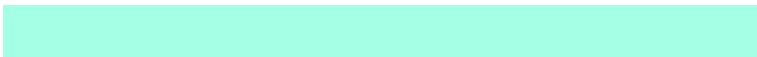
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93, 48.439, 148.061



92, 57.327, 147.324



94, 33.004, 172.353



52, 7.795, 150.318



68, 90.308, 138.763



23, 39.177, 141.276

Inverse Universe

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



79, 48.651, 333.267



75, 57.477, 333.753



77, 36.714, 0.112



50, 7.821, 331.493



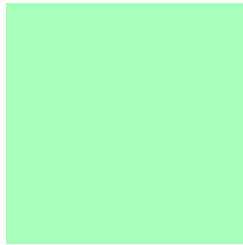
43, 79.027, 338.872



11, 37.050, 337.326

Previews

White Background



This preview shows how the CIE LCh color 93, 48.437, 148.061 looks on a white background.

Color Contrast Check

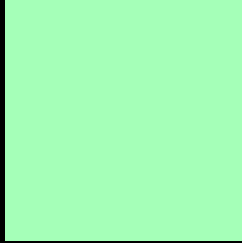
Large Text (above 18pt) WCAG AA × Fail

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, 48.437, 148.061 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, 48.437, 148.061

Background



This preview shows how black text looks on a background with the CIELCh color 93, 48.437, 148.061.

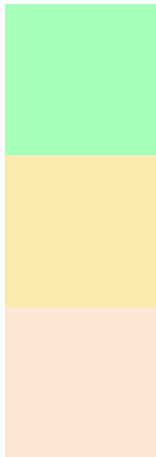


This preview shows how white text looks on a background with the CIELCh color 93, 48.437, 148.061.

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

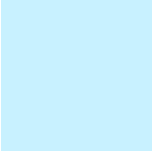
93, 48.437, 148.061

Protanopia

93, 31.041, 94.567

Deuteranopia

93, 13.093, 61.593

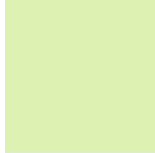


Tritanopia
93, 15.086, 227.449

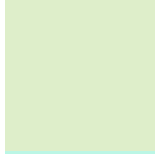
Trichromacy



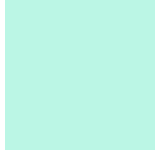
Original Color
93, 48.437, 148.061



Protanomaly
92, 33.116, 121.596



Deuteranomaly
92, 19.447, 126.391

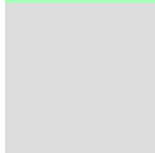


Tritanomaly
93, 22.056, 174.471

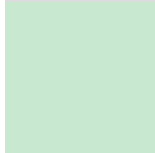
Monochromacy



Original Color
93, 48.437, 148.061



Achromatopsia
88, 0.010, 296.813



Achromatomaly
89, 18.078, 150.006

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 93, 48.437, 148.061 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(165, 255, 184)` looks like.

```
.text, #text, p{  
    color:rgb(165, 255, 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(165, 255, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 255, 184) }
```

Border

The CSS property to change the border of an element to CIELCh 93, 48.437, 148.061 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(165, 255, 184) }
```

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

```
.border{ border-color:rgb(165, 255, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 255, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 255, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 255, 184);  
box-shadow:4px 4px 4px 4px rgb(165, 255,  
184) }
```

Background

The CSS property to change the background color of an element to CIELCh 93, 48.437, 148.061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 255, 184) }
```

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

```
.background{ background-color: rgb(165,  
255, 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](#).

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