

Converting Colors

CIELCh(90, 49.110, 152.286)

Have a look what the booklet for
CIELCh(90, 49.110, 152.286)
contains.

CIELCh(90, 48.847, 152.262)	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(90, 48.847, 152.262)

Conversions

Conversions Part 1

Format	Color
Hex	93F7B5
RGB	147, 247, 181
RGB Percent	58%, 97%, 71%
CMY	0.4223, 0.0301, 0.2890
CMYK	0.40, 0.00, 0.27, 0.03
HSL	140°, 87%, 77%
HSV	140°, 40%, 97%
XYZ	53.8230, 76.3034, 55.7730
YIQ	209.5760, -38.4140, -41.7260

Conversions

Conversions Part 2

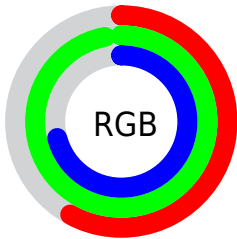
Format	Color
RYB	147, 222, 247
Decimal	9697205
CIELab	90.00, -43.23, 22.73
CIElCh	90, 48.847, 152.262
Yxy	76.3034, 0.2895, 0.4105
Android (android.graphics.Color)	4287887285 (0xFF93F7B5)
YUV	209.5760, -14.0880, -54.8792
Hunter-Lab	87.3518, -42.8804, 23.2904

Details

The CIELCh color **90, 48.847, 152.262** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **73, 49.638, 339.195**, and the grayscale version is **84, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 19.883, 170.503**, and **70, 48.714, 152.256** is the 20% darker color. If you saturate the color by 10%, you get **89, 60.132, 150.983**, and if you desaturate by 10%, it is **91, 37.040, 153.374**.

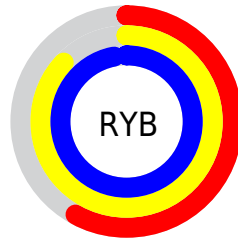
Distribution



Red (58%)

Green (97%)

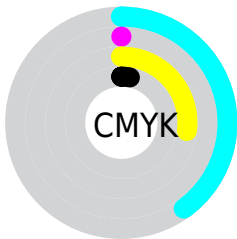
Blue (71%)



Red (58%)

Yellow (87%)

Blue (97%)

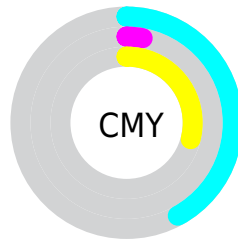


Cyan (40%)

Magenta (0%)

Yellow (27%)

Black (3%)



Cyan (42%)

Magenta (3%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 48.847, 152.262 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 90, 48.847, 152.262 by changing the saturation by 10% instead.

 90, 48.847,
152.262

 90, 48.847,
152.262

 100, 48.847,
152.262

 80, 48.847,
152.262

 70, 48.847,
152.262

 60, 48.847,
152.262


 50, 48.847,
152.262

 40, 48.847,
152.262

 30, 48.847,
152.262


 20, 48.847,


152.262


 10, 48.847,
152.262


 0, 48.847, 152.262


 90, 48.847,
152.262


 90, 48.847,
152.262


 89, 60.132,
150.983

 91, 37.040,
153.374

 88, 70.662,
149.519

 93, 24.928,
154.345

 87, 80.220,
147.856

 95, 12.702,
155.204

 86, 88.635,
146.002

 97, 0.519, 156.706

 98, 4.774, 324.543

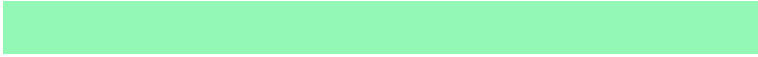
■ 86, 95.805,
143.990

■ 86, 101.545,
142.029

Harmonies

Complementary

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



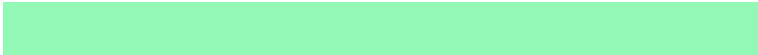
90, 48.847, 152.262



73, 49.638, 339.195

Rectangle

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



90, 48.847, 152.262



90, 48.847, 202.262



90, 48.847, 332.262



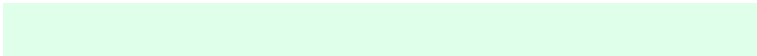
90, 48.847, 22.262

Sweetspot

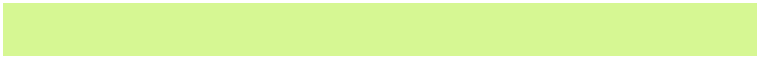
The Sweet Spot groups the original color and five complimentary colors.



90, 48.848, 152.262



97, 14.981, 155.073



93, 51.790, 120.810



52, 9.941, 154.964



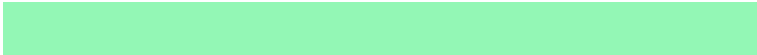
0, 0.000, 0.000



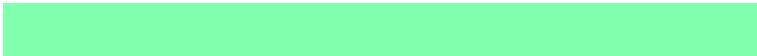
53, 0.007, 296.813

Same Dimension

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



90, 48.848, 152.262



91, 60.013, 151.167



91, 33.159, 182.086



50, 6.857, 155.282



66, 81.308, 142.420



21, 33.570, 145.758

Inverse Universe

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



73, 49.638, 339.195



71, 60.862, 340.058



72, 40.239, 10.879



48, 6.899, 336.587



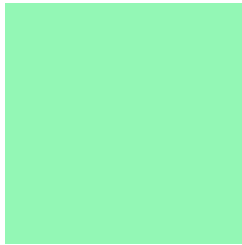
41, 71.126, 347.941



10, 32.500, 344.523

Previews

White Background



This preview shows how the CIE LCh color 90, 48.847, 152.262 looks on a white background.

Color Contrast Check

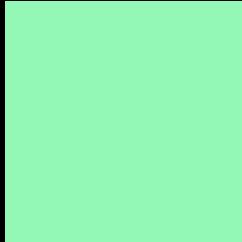
Large Text (above 18pt) WCAG AA × Fail

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 90, 48.847, 152.262 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 90, 48.847, 152.262

Background



This preview shows how black text looks on a background with the CIELCh color 90, 48.847, 152.262.

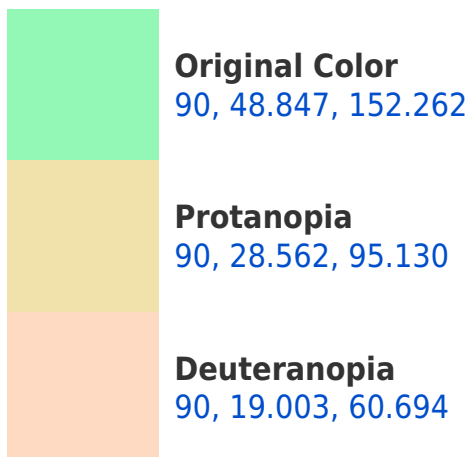


This preview shows how white text looks on a background with the CIELCh color 90, 48.847, 152.262.

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



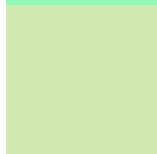


Tritanopia
90, 23.167, 222.162

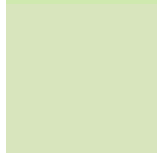
Trichromacy



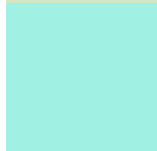
Original Color
90, 48.847, 152.262



Protanomaly
89, 31.445, 126.043



Deuteranomaly
89, 21.255, 121.769



Tritanomaly
90, 27.494, 183.298

Monochromacy



Original Color
90, 48.847, 152.262



Achromatopsia
84, 0.010, 296.813



Achromatomaly
86, 18.425, 155.185

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 48.847, 152.262 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(147, 247, 181)` looks like.

```
.text, #text, p{  
    color:rgb(147, 247, 181)  
}
```

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(147, 247, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 247, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 48.847, 152.262 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(147, 247, 181) }
```

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

```
.border{ border-color:rgb(147, 247, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 247, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 247, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 247, 181);  
box-shadow:4px 4px 4px 4px rgb(147, 247,  
181) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 48.847, 152.262 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 247, 181) }
```

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

```
.background{ background-color: rgb(147,  
247, 181) }
```

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