

Converting Colors

CIELCh(90, 44.584, 148.908)

Have a look what the booklet for
CIELCh(90, 44.584, 148.908)
contains.

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Color

CIELCh(90, 44.453, 148.827)

Conversions

Conversions Part 1

Format	Color
Hex	A2F5B5
RGB	162, 245, 181
RGB Percent	64%, 96%, 71%
CMY	0.3648, 0.0393, 0.2903
CMYK	0.34, 0.00, 0.26, 0.04
HSL	134°, 81%, 80%
HSV	134°, 34%, 96%
XYZ	55.8781, 76.3034, 55.4858
YIQ	212.8870, -28.9240, -37.5000

Conversions

Conversions Part 2

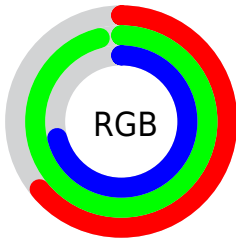
Format	Color
RYB	162, 230, 245
Decimal	10679733
CIELab	90.00, -38.03, 23.01
CIElCh	90, 44.453, 148.827
Yxy	76.3034, 0.2978, 0.4066
Android (android.graphics.Color)	4288869813 (0xFFA2F5B5)
YUV	212.8870, -15.7203, -44.6279
Hunter-Lab	87.3518, -38.6808, 23.4853

Details

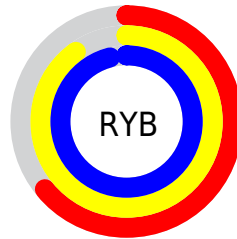
The CIELCh color **90, 44.453, 148.827** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **77, 44.706, 333.849**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 15.647, 162.461**, and **70, 44.262, 148.960** is the 20% darker color. If you saturate the color by 10%, you get **89, 57.103, 147.718**, and if you desaturate by 10%, it is **92, 31.419, 149.786**.

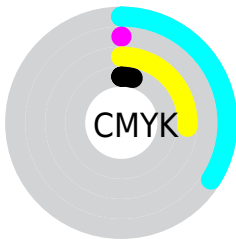
Distribution



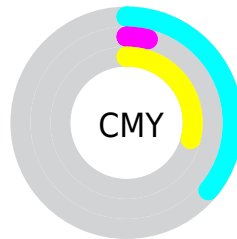
- Red (64%)
- Green (96%)
- Blue (71%)



- Red (64%)
- Yellow (90%)
- Blue (96%)



- Cyan (34%)
- Magenta (0%)
- Yellow (26%)
- Black (4%)



- Cyan (36%)
- Magenta (4%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 90, 44.453, 148.827 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, 44.453, 148.827 by changing the saturation by 10% instead.

 90, 44.453,
148.827


 90, 44.453,
148.827

 100, 44.453,
148.827


 80, 44.453,
148.827

 70, 44.453,
148.827

 60, 44.453,
148.827


 50, 44.453,
148.827

 40, 44.453,
148.827

 30, 44.453,
148.827

 20, 44.453,


148.827


 10, 44.453,
148.827


 0, 44.453, 148.827

 90, 44.453,
148.827


 90, 44.453,
148.827

 89, 57.103,
147.718


 92, 31.419,
149.786

 87, 69.098,
146.442

 94, 18.226,
150.618

 86, 80.158,
144.993

 96, 5.061, 151.382

 86, 90.002,
143.384

 98, 6.240, 324.609

■ 85, 98.385,
141.658

■ 85, 105.113,
139.899

■ 85, 108.420,
138.899

Harmonies

Complementary

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



90, 44.453, 148.827



77, 44.706, 333.849

Rectangle

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



90, 44.453, 148.827



90, 44.453, 198.827



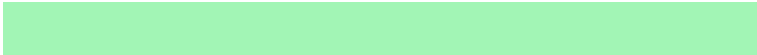
90, 44.453, 328.827



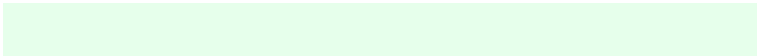
90, 44.453, 18.827

Sweetspot

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



90, 44.455, 148.827



98, 13.538, 150.913



94, 42.473, 116.364



52, 9.243, 150.807



0, 0.000, 0.000



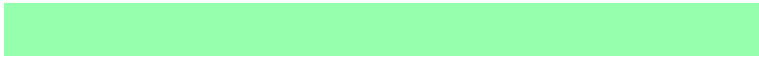
53, 0.007, 296.813

Same Dimension

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



90, 44.455, 148.827



92, 55.277, 148.044



91, 30.394, 173.710



50, 7.441, 150.953



66, 87.588, 139.205



21, 36.393, 142.133

Inverse Universe

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



77, 44.706, 333.849



75, 55.511, 334.386



75, 33.872, 1.075



48, 7.468, 332.139



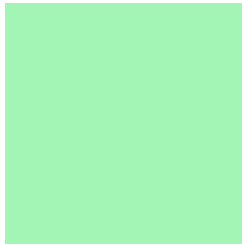
42, 76.479, 339.977



10, 34.765, 338.081

Previews

White Background



This preview shows how the CIE LCh color 90, 44.453, 148.827 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, 44.453, 148.827 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

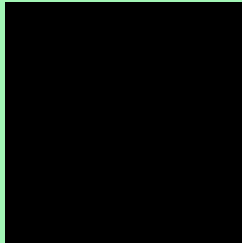
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

CIELCh 90, 44.453, 148.827

Background



This preview shows how black text looks on a background with the CIELCh color 90, 44.453, 148.827.

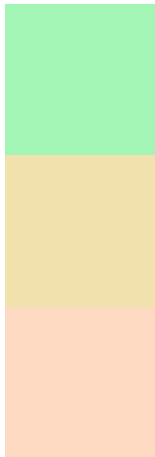


This preview shows how white text looks on a background with the CIELCh color 90, 44.453, 148.827.

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
90, 44.453, 148.827

Protanopia
90, 28.062, 94.960

Deuteranopia
90, 19.003, 60.694

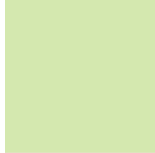


Tritanopia
90, 20.583, 227.249

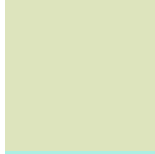
Trichromacy



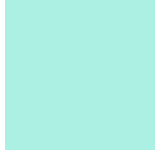
Original Color
90, 44.453, 148.827



Protanomaly
89, 30.298, 122.373



Deuteranomaly
89, 20.326, 115.989

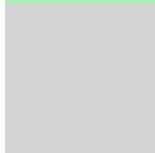


Tritanomaly
90, 23.373, 182.317

Monochromacy



Original Color
90, 44.453, 148.827



Achromatopsia
85, 0.010, 296.813



Achromatomaly
87, 16.921, 150.521

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 90, 44.453, 148.827 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(162, 245, 181)` looks like.

```
.text, #text, p{  
    color:rgb(162, 245, 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(162, 245, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 245, 181) }
```

Border

The CSS property to change the border of an element to CIELCh 90, 44.453, 148.827 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(162, 245, 181) }
```

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

```
.border{ border-color:rgb(162, 245, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 245, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(162, 245, 181); -webkit-box-shadow:4px 4px 4px 4px rgb(162, 245, 181); box-shadow:4px 4px 4px 4px rgb(162, 245, 181) }
```

Background

The CSS property to change the background color of an element to CIELCh 90, 44.453, 148.827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 245, 181) }
```

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

```
.background{ background-color: rgb(162,  
245, 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](#).

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