

# Converting Colors

CIELCh(90, 45.871, 147.235)

Have a look what the booklet for  
CIELCh(90, 45.871, 147.235)  
contains.

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**Color**

**CIELCh(90, 46.067, 147.205)**

# Conversions

## Conversions Part 1

Format	Color
Hex	A2F5B1
RGB	162, 245, 177
RGB Percent	64%, 96%, 69%
CMY	0.3640, 0.0384, 0.3052
CMYK	0.34, 0.00, 0.28, 0.04
HSL	131°, 81%, 80%
HSV	131°, 34%, 96%
XYZ	55.6024, 76.3034, 53.4872
YIQ	212.4310, -27.6400, -38.7440

# Conversions

## Conversions Part 2

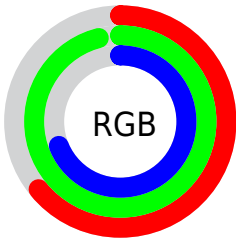
<b>Format</b>	<b>Color</b>
<b>RYB</b>	162, 232, 245
Decimal	10679729
CIELab	90.00, -38.72, 24.95
CIELCh	90, 46.067, 147.205
Yxy	76.3034, 0.2999, 0.4116
Android (android.graphics.Color)	4288869809 (0xFFA2F5B1)
YUV	212.4310, -17.4675, -44.2280
Hunter-Lab	87.3518, -39.2444, 24.8418

# Details

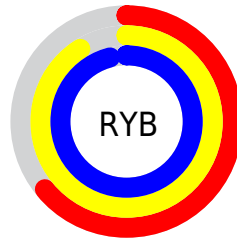
The CIELCh color **90, 46.067, 147.205** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **77, 46.207, 332.023**, and the grayscale version is **85, 0.010, 296.813**.

A 20% lighter version of the original color is **97, 17.000, 157.028**, and **70, 45.941, 147.248** is the 20% darker color. If you saturate the color by 10%, you get **89, 59.191, 146.120**, and if you desaturate by 10%, it is **92, 32.541, 148.142**.

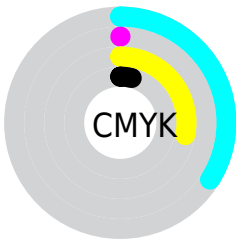
# Distribution



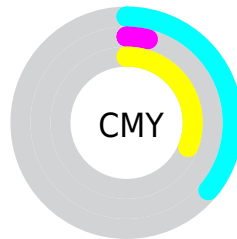
- Red (64%)
- Green (96%)
- Blue (69%)



- Red (64%)
- Yellow (91%)
- Blue (96%)



- Cyan (34%)
- Magenta (0%)
- Yellow (28%)
- Black (4%)




- Cyan (36%)
- Magenta (4%)
- Yellow (31%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 90, 46.067, 147.205 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, 46.067, 147.205 by changing the saturation by 10% instead.





 90, 46.067,  
147.205


 90, 46.067,  
147.205


 100, 46.067,  
147.205


 80, 46.067,  
147.205

 70, 46.067,  
147.205

 60, 46.067,  
147.205


 50, 46.067,  
147.205

 40, 46.067,  
147.205


 30, 46.067,  
147.205


 20, 46.067,


147.205


 10, 46.067,  
147.205


 0, 46.067, 147.205


 90, 46.067,  
147.205


 90, 46.067,  
147.205

 89, 59.191,  
146.120


 92, 32.541,  
148.142

 87, 71.619,  
144.876

 94, 18.856,  
148.952

 86, 83.035,  
143.473

 96, 5.208, 149.691

 86, 93.112,  
141.938

 98, 6.105, 324.604

■ 85,101.541,  
140.330

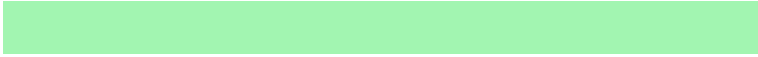
■ 85,108.060,  
138.755

■ 85,111.100,  
137.900

# Harmonies

# Complementary

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



90, 46.067, 147.205



77, 46.207, 332.023

# Rectangle

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



90, 46.067, 147.205



90, 46.067, 197.205



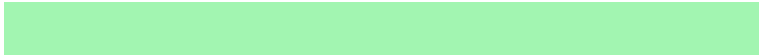
90, 46.067, 327.205



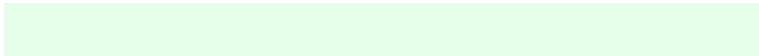
90, 46.067, 17.205

# Sweetspot

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



90, 46.069, 147.205



98, 14.020, 149.236



94, 42.215, 114.231



52, 9.573, 149.133



0, 0.000, 0.000



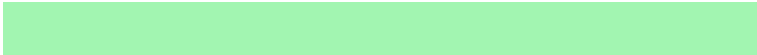
53, 0.007, 296.813



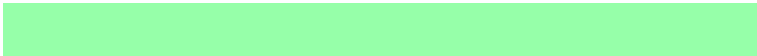


# Same Dimension

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



90, 46.069, 147.205



92, 57.290, 146.436



91, 31.535, 170.251



50, 7.706, 149.275



66, 89.780, 138.163



20, 37.445, 140.935



# Inverse Universe

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



77, 46.207, 332.023



76, 57.357, 332.514



75, 34.483, 357.538



48, 7.728, 330.419



42, 79.253, 337.007

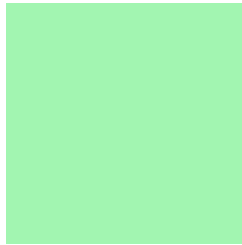


10, 35.883, 335.643



# Previews

## White Background



This preview shows how the CIE LCh color 90, 46.067, 147.205 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, 46.067, 147.205 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, 46.067, 147.205**

## **Background**



This preview shows how black text looks on a background with the CIELCh color 90, 46.067, 147.205.

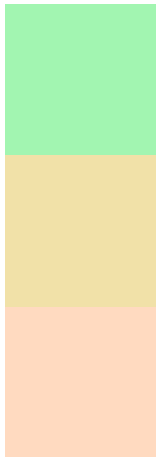


This preview shows how white text looks on a background with the CIELCh color 90, 46.067, 147.205.

# 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, 46.067, 147.205

**Protanopia**  
90, 30.060, 95.598

**Deuteranopia**  
89, 19.742, 62.792



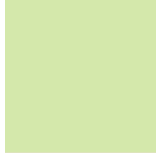


**Tritanopia**  
90, 20.583, 227.249

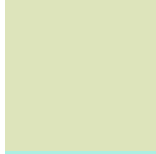
# Trichromacy



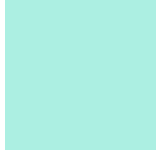
**Original Color**  
90, 46.067, 147.205



**Protanomaly**  
89, 32.262, 121.376

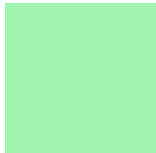


**Deuteranomaly**  
89, 21.343, 115.567

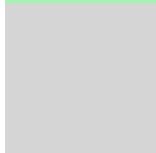


**Tritanomaly**  
90, 23.570, 181.119

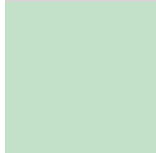
# Monochromacy



**Original Color**  
90, 46.067, 147.205



**Achromatopsia**  
85, 0.010, 296.813



**Achromatomaly**  
87, 17.091, 148.533

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 90, 46.067, 147.205 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, 177)` looks like.

```
.text, #text, p{  
    color:rgb(162, 245, 177)  
}
```

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, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 245, 177) }
```

## Border

The CSS property to change the border of an element to CIELCh 90, 46.067, 147.205 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, 177) }
```

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

```
.border{ border-color:rgb(162, 245, 177) }
```

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, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 245, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 245, 177);  
box-shadow:4px 4px 4px 4px rgb(162, 245,  
177) }
```

# Background

The CSS property to change the background color of an element to CIELCh 90, 46.067, 147.205 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, 177) }
```

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

```
.background{ background-color: rgb(162,  
245, 177) }
```

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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