

# Converting Colors

CIELCh(79, 37.540, 148.152)

Have a look what the booklet for  
CIELCh(79, 37.540, 148.152)  
contains.

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# Color

**CIELCh(79, 37.502, 148.383)**

# Conversions

## Conversions Part 1

Format	Color
Hex	90D39E
RGB	144, 211, 158
RGB Percent	56%, 83%, 62%
CMY	0.4356, 0.1729, 0.3807
CMYK	0.32, 0.00, 0.25, 0.17
HSL	133°, 43%, 70%
HSV	133°, 32%, 83%
XYZ	40.9206, 54.9284, 40.7532
YIQ	184.9250, -22.9190, -30.6870

# Conversions

## Conversions Part 2

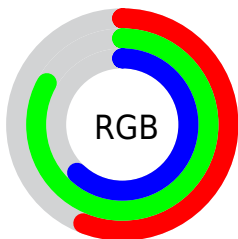
<b>Format</b>	<b>Color</b>
<b>RYB</b>	144, 199, 211
Decimal	9491358
CIELab	79.00, -31.94, 19.66
CIElCh	79, 37.502, 148.383
Yxy	54.9284, 0.2996, 0.4021
Android (android.graphics.Color)	4287681438 (0xFF90D39E)
YUV	184.9250, -13.2740, -35.8912
Hunter-Lab	74.1137, -31.1433, 19.2776

# Details

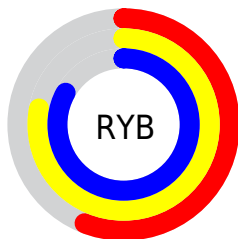
The CIELCh color **79, 37.502, 148.383** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **68, 37.679, 332.911**, and the grayscale version is **75, 0.009, 296.813**.

A 20% lighter version of the original color is **95, 29.382, 150.708**, and **59, 37.640, 148.184** is the 20% darker color. If you saturate the color by 10%, you get **78, 48.981, 147.331**, and if you desaturate by 10%, it is **81, 25.734, 149.293**.

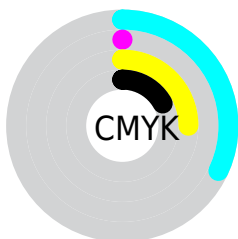
# Distribution



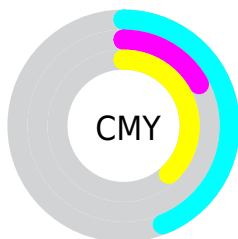
- Red (56%)
- Green (83%)
- Blue (62%)



- Red (56%)
- Yellow (78%)
- Blue (83%)



- Cyan (32%)
- Magenta (0%)
- Yellow (25%)
- Black (17%)




- Cyan (44%)
- Magenta (17%)
- Yellow (38%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 79, 37.502, 148.383 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 79, 37.502, 148.383 by changing the saturation by 10% instead.





 79, 37.502,  
148.383

 79, 37.502,  
148.383


 100, 37.502,  
148.383


 69, 37.502,  
148.383

 99, 37.502,  
148.383

 59, 37.502,  
148.383

 49, 37.502,  
148.383

 39, 37.502,  
148.383

 29, 37.502,  
148.383

 19, 37.502,  
148.383

 9, 37.502, 148.383

0, 37.502, 148.383

79, 37.502,  
148.383

79, 37.502,  
148.383

78, 48.981,  
147.331

81, 25.734,  
149.293

77, 59.933,  
146.121

82, 13.868,  
150.084

76, 70.106,  
144.745

84, 2.062, 150.892

75, 79.239,  
143.215


86, 9.567, 331.285

74, 87.086,  
141.569

89, 20.936,  
331.812

74, 93.443,  
139.886

89, 27.635,  
325.387

 74, 97.525,  
138.606

# Harmonies

# Complementary

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



79, 37.502, 148.383



68, 37.679, 332.911

# Rectangle

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



79, 37.502, 148.383



79, 37.502, 198.383



79, 37.502, 328.383



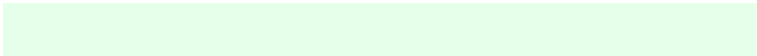
79, 37.502, 18.383

# Sweetspot

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



79, 37.504, 148.383



98, 13.735, 150.207



82, 35.255, 115.820



52, 9.379, 150.102



0, 0.000, 0.000



53, 0.007, 296.813



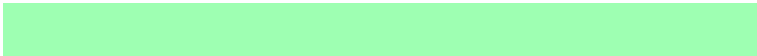


# Same Dimension

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



79, 37.504, 148.383



93, 52.135, 147.701



80, 25.663, 172.805



43, 6.631, 150.258



60, 81.912, 138.879



13, 27.433, 145.731



# Inverse Universe

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



68, 37.679, 332.911



77, 52.329, 333.379



67, 28.200, 359.526



41, 6.653, 331.403



38, 72.091, 338.620

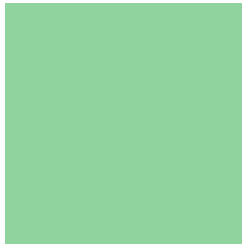


5, 26.472, 336.088



# Previews

## White Background



This preview shows how the CIELCh color 79, 37.502, 148.383 looks on a white background.

## Color Contrast Check

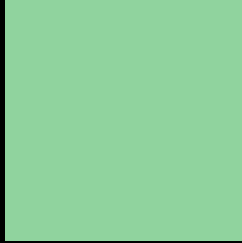
Large Text (above 18pt) WCAG AA × Fail

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 79, 37.502, 148.383 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 79, 37.502, 148.383

## Background



This preview shows how black text looks on a background with the CIELCh color 79, 37.502, 148.383.

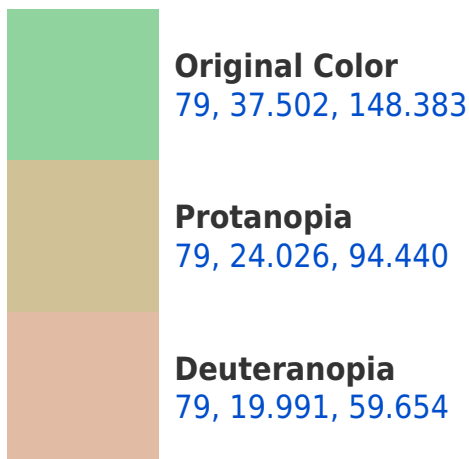


This preview shows how white text looks on a background with the CIELCh color 79, 37.502, 148.383.

# 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**  
79, 17.403, 228.047

# Trichromacy



**Original Color**  
79, 37.502, 148.383

**Protanomaly**  
78, 25.550, 121.205

**Deuteranomaly**  
78, 18.576, 108.462

**Tritanomaly**  
79, 19.341, 183.528

# Monochromacy



**Original Color**  
79, 37.502, 148.383

**Achromatopsia**  
75, 0.009, 296.813

**Achromatomaly**  
76, 13.633, 150.021

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 79, 37.502, 148.383 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(144, 211, 158)` looks like.

```
.text, #text, p{  
    color:rgb(144, 211, 158)  
}
```

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(144, 211, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 211, 158) }
```

## Border

The CSS property to change the border of an element to CIELCh 79, 37.502, 148.383 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(144, 211, 158) }
```

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

```
.border{ border-color:rgb(144, 211, 158) }
```

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

Here you see how a box with a 4 pixel rgb(144, 211, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 211, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 211, 158);  
box-shadow:4px 4px 4px 4px rgb(144, 211,  
158) }
```

# Background

The CSS property to change the background color of an element to CIELCh 79, 37.502, 148.383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 211, 158) }
```

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

```
.background{ background-color: rgb(144,  
211, 158) }
```

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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