

# Converting Colors

CIELCh(79, 38.673, 138.150)

Have a look what the booklet for  
CIELCh(79, 38.673, 138.150)  
contains.

<b>CIELCh(79, 38.744, 137.924)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	21
<b><i>Color Blindness Simulation</i></b> .....	24
<b><i>CSS Examples</i></b> .....	27

**Color**

**CIELCh(79, 38.744, 137.924)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9DD192
RGB	157, 209, 146
RGB Percent	62%, 82%, 57%
CMY	0.3838, 0.1798, 0.4269
CMYK	0.25, 0.00, 0.30, 0.18
HSL	110°, 41%, 70%
HSV	110°, 30%, 82%
XYZ	41.9625, 54.9284, 35.6371
YIQ	186.2700, -10.7690, -30.6170

# Conversions

## Conversions Part 2

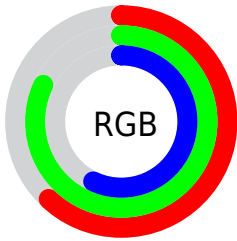
<b>Format</b>	<b>Color</b>
<b>RYB</b>	146, 209, 198
Decimal	10342802
CIELab	79.00, -28.76, 25.96
CIELCh	79, 38.744, 137.924
Yxy	54.9284, 0.3166, 0.4145
Android (android.graphics.Color)	4288532882 (0xFF9DD192)
YUV	186.2700, -19.8531, -25.6698
Hunter-Lab	74.1137, -28.6338, 23.3703

# Details

The CIELCh color  $79, 38.744, 137.924$  is a light color, and the websafe version is hex  $99CC99$ . A complement of this color would be  $67, 39.196, 320.919$ , and the grayscale version is  $76, 0.009, 296.813$ .

A 20% lighter version of the original color is  $96, 31.970, 136.664$ , and  $59, 38.549, 138.008$  is the 20% darker color. If you saturate the color by 10%, you get  $78, 51.360, 137.243$ , and if you desaturate by 10%, it is  $80, 25.886, 138.545$ .

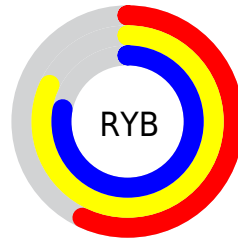
# Distribution



Red (62%)

Green (82%)

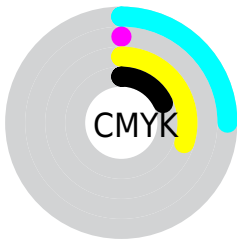
Blue (57%)



Red (57%)

Yellow (82%)

Blue (78%)

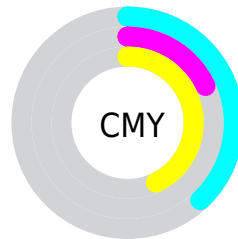


Cyan (25%)

Magenta (0%)

Yellow (30%)

Black (18%)



Cyan (38%)

Magenta (18%)


Yellow (43%)


# Brightness & Saturation Gradients


These gradients show how the CIELCh color 79, 38.744, 137.924 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, 38.744, 137.924 by changing the saturation by 10% instead.





 79, 38.744,  
137.924

 79, 38.744,  
137.924


 100, 38.744,  
137.924


 69, 38.744,  
137.924


 99, 38.744,  
137.924

 59, 38.744,  
137.924

 49, 38.744,  
137.924

 39, 38.744,  
137.924

 29, 38.744,  
137.924

 19, 38.744,  
137.924

 9, 38.744, 137.924

0, 38.744, 137.924

79, 38.744,  
137.924

79, 38.744,  
137.924

78, 51.360,  
137.243

80, 25.886,  
138.545

77, 63.466,  
136.523

82, 12.975,  
139.101

76, 74.712,  
135.815

84, 0.154, 141.005

75, 84.642,  
135.204


86, 12.478,  
319.952

74, 92.712,  
134.811

88, 24.852,  
320.312

74, 98.410,  
134.760

89, 28.749,  
325.425

 74, 101.739,  
135.004

# Harmonies

# Complementary

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



79, 38.744, 137.924



67, 39.196, 320.919

# Rectangle

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



79, 38.744, 137.924



79, 38.744, 187.924



79, 38.744, 317.924



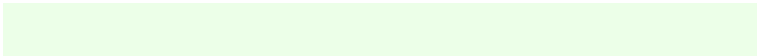
79, 38.744, 7.924

# Sweetspot

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



79, 38.746, 137.925



98, 13.534, 139.154



80, 27.569, 97.922



52, 9.413, 139.077



0, 0.000, 0.000



53, 0.007, 296.813



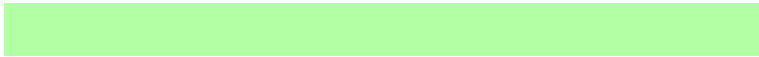


# Same Dimension

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



79, 38.746, 137.925



93, 54.249, 137.502



79, 32.586, 152.501



43, 7.265, 139.138



60, 86.401, 134.875



13, 28.942, 138.462



# Inverse Universe

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



67, 39.196, 320.919



77, 54.978, 321.190



68, 32.984, 337.191



41, 7.301, 319.970



35, 85.953, 321.648

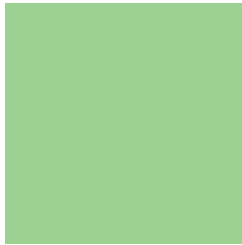


4, 29.567, 321.184



# Previews

## White Background



This preview shows how the CIELCh color 79, 38.744, 137.924 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, 38.744, 137.924 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

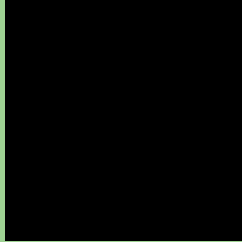
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# CIELCh 79, 38.744, 137.924

## Background



This preview shows how black text looks on a background with the CIELCh color 79, 38.744, 137.924.

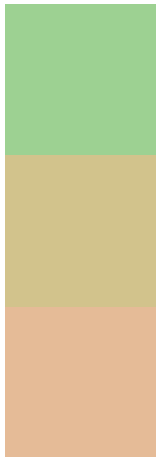


This preview shows how white text looks on a background with the CIELCh color 79, 38.744, 137.924.

# 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**  
79, 38.744, 137.924

**Protanopia**  
79, 29.730, 95.574

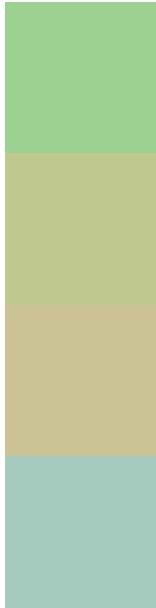
**Deuteranopia**  
79, 25.964, 67.127





**Tritanopia**  
79, 13.328, 238.915

# Trichromacy



**Original Color**  
79, 38.744, 137.924

**Protanomaly**  
79, 30.734, 114.120

**Deuteranomaly**  
78, 24.582, 100.405

**Tritanomaly**  
79, 15.106, 173.132

# Monochromacy



**Original Color**  
79, 38.744, 137.924

**Achromatopsia**  
76, 0.009, 296.813

**Achromatomaly**  
77, 13.645, 138.830

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 79, 38.744, 137.924 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(157, 209, 146)` looks like.

```
.text, #text, p{  
    color:rgb(157, 209, 146)  
}
```

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(157, 209, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 209, 146) }
```

## Border

The CSS property to change the border of an element to CIELCh 79, 38.744, 137.924 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(157, 209, 146) }
```

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

```
.border{ border-color:rgb(157, 209, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 209, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 209, 146); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 209, 146); box-shadow:4px 4px 4px 4px rgb(157, 209, 146) }
```

# Background

The CSS property to change the background color of an element to CIELCh 79, 38.744, 137.924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 209, 146) }
```

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

```
.background{ background-color: rgb(157,  
209, 146) }
```

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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