

# Converting Colors

CIELCh(87, 34.161, 176.782)

Have a look what the booklet for  
CIELCh(87, 34.161, 176.782)  
contains.

<b>CIELCh(87, 34.225, 176.452)</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(87, 34.225, 176.452)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8AEC D5
RGB	138, 236, 213
RGB Percent	54%, 93%, 84%
CMY	0.4599, 0.0756, 0.1657
CMYK	0.42, 0.00, 0.10, 0.08
HSL	166°, 72%, 73%
HSV	166°, 42%, 92%
XYZ	52.3316, 70.0064, 73.5301
YIQ	204.0760, -51.0250, -27.9290

# Conversions

## Conversions Part 2

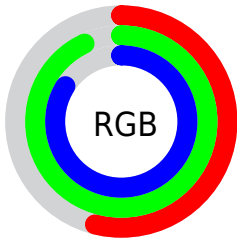
Format	Color
<a href="#">RYB</a>	<a href="#">138, 194, 236</a>
Decimal	<a href="#">9104597</a>
CIELab	<a href="#">87.00, -34.16, 2.12</a>
CIELCh	<a href="#">87, 34.225, 176.452</a>
Yxy	<a href="#">70.0064, 0.2672, 0.3574</a>
Android (android.graphics.Color)	<a href="#">4287294677</a> ( <a href="#">0xFF8AECD5</a> )
YUV	<a href="#">204.0760, 4.3995, -57.9487</a>
Hunter-Lab	<a href="#">83.6698, -34.7788, 6.4640</a>

# Details

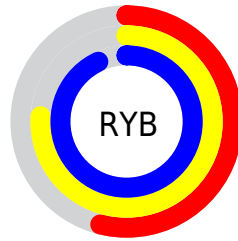
The CIELCh color **87, 34.225, 176.452** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **68, 40.155, 5.936**, and the grayscale version is **82, 0.010, 296.813**.

A 20% lighter version of the original color is **96, 19.614, 198.212**, and **67, 34.489, 175.897** is the 20% darker color. If you saturate the color by 10%, you get **86, 41.064, 175.219**, and if you desaturate by 10%, it is **88, 26.691, 177.582**.

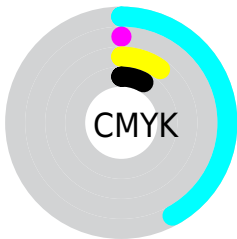
# Distribution



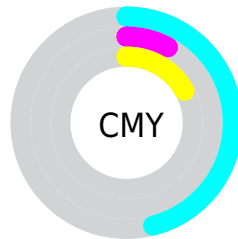
- Red (54%)
- Green (93%)
- Blue (84%)



- Red (54%)
- Yellow (76%)
- Blue (93%)



- Cyan (42%)
- Magenta (0%)
- Yellow (10%)
- Black (8%)




- Cyan (46%)
- Magenta (8%)
- Yellow (17%)

# Brightness & Saturation Gradients


These gradients show how the CIELCh color 87, 34.225, 176.452 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 87, 34.225, 176.452 by changing the saturation by 10% instead.





 87, 34.225,  
176.452

 87, 34.225,  
176.452


 100, 34.225,  
176.452


 77, 34.225,  
176.452

 67, 34.225,  
176.452

 57, 34.225,  
176.452

 47, 34.225,  
176.452

 37, 34.225,  
176.452

 27, 34.225,  
176.452

 17, 34.225,


176.452


 7, 34.225, 176.452


 0, 34.225, 176.452


 87, 34.225,  
176.452

 87, 34.225,  
176.452


 86, 41.064,  
175.219

 88, 26.691,  
177.582

 85, 47.072,  
173.864

 90, 18.608,  
178.635

 84, 52.148,  
172.360

 91, 10.128,  
179.637

 84, 56.251,  
170.684

 93, 1.385, 180.912

 84, 59.418,

 95, 7.298, 0.740

168.823

95, 8.631, 342.676

84, 61.527,  
167.144

95, 10.583,  
330.401

95, 12.022,  
324.834

# Harmonies

# Complementary

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



87, 34.225, 176.452



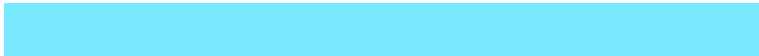
68, 40.155, 5.936

# Rectangle

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



87, 34.225, 176.452



87, 34.225, 226.452



87, 34.225, 356.452



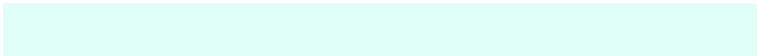
87, 34.225, 46.452

# Sweetspot

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



87, 34.226, 176.450



98, 11.188, 179.590



87, 57.214, 135.084



52, 7.409, 179.459



0, 0.000, 0.000



53, 0.007, 296.813



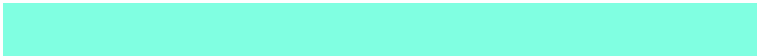


# Same Dimension

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



87, 34.226, 176.450



92, 42.643, 175.393



81, 25.449, 229.116



48, 4.965, 179.848



66, 50.234, 167.512



19, 20.588, 170.839



# Inverse Universe

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



68, 40.155, 5.936



69, 51.803, 7.694



73, 34.008, 44.272



46, 5.136, 1.486



38, 70.247, 26.650

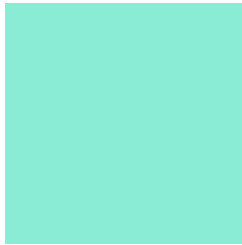


7, 27.851, 12.844



# Previews

## White Background



This preview shows how the CIELCh color 87, 34.225, 176.452 looks on a white background.

## Color Contrast Check

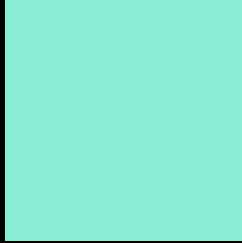
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

# Black Background



This preview shows how the CIE LCh color 87, 34.225, 176.452 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 87, 34.225, 176.452

## Background



This preview shows how black text looks on a background with the CIELCh color 87, 34.225, 176.452.

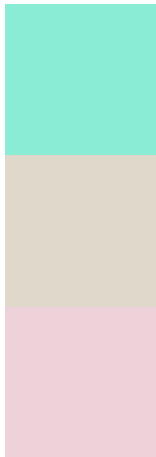


This preview shows how white text looks on a background with the CIELCh color 87, 34.225, 176.452.

# 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**  
87, 34.225, 176.452

**Protanopia**  
87, 7.872, 87.354

**Deuteranopia**  
87, 10.720, 357.273





**Tritanopia**  
87, 26.718, 219.953

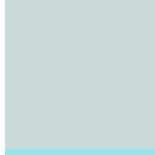
# Trichromacy



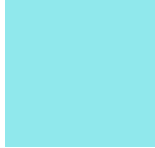
**Original Color**  
87, 34.225, 176.452



**Protanomaly**  
86, 14.052, 159.165



**Deuteranomaly**  
86, 6.596, 185.203

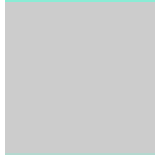


**Tritanomaly**  
87, 27.408, 202.055

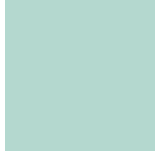
# Monochromacy



**Original Color**  
87, 34.225, 176.452



**Achromatopsia**  
82, 0.010, 296.813



**Achromatomaly**  
84, 13.617, 177.999

# CSS Examples

## Text

The CSS property to change the color of the text to CIELCh 87, 34.225, 176.452 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(138, 236, 213)` looks like.

```
.text, #text, p{  
    color:rgb(138, 236, 213)  
}
```

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(138, 236, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 236, 213) }
```

## Border

The CSS property to change the border of an element to CIELCh 87, 34.225, 176.452 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(138, 236, 213) }
```

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

```
.border{ border-color:rgb(138, 236, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 236, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 236, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 236, 213);  
box-shadow:4px 4px 4px 4px rgb(138, 236,  
213) }
```

# Background

The CSS property to change the background color of an element to CIELCh 87, 34.225, 176.452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 236, 213) }
```

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

```
.background{ background-color: rgb(138,  
236, 213) }
```

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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